

**Byron P. Steele, II High School
Cibolo, Texas**

**Course
Selection
Handbook
2008 – 2009**

**Byron P. Steele II High School
1300 FM 1103
Cibolo, Texas 78108**

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General Information

This handbook is designed to provide course selection information for the 2008-2009 school year. Schertz-Cibolo-Universal City Independent School District (SCUC ISD) High School students are encouraged to consult with counselors and teachers for assistance in selecting courses that will meet personal needs for the future as well as satisfy high school graduation requirements.

One of the most critical functions performed by a school is the preregistration of students. Based on information obtained during preregistration, courses are scheduled and teachers employed for the next school year. SCUC ISD reserves the right to cancel courses with insufficient enrollment. It is important that course selection be given serious consideration. After school begins, changes are only to correct scheduling errors or to equalize class enrollments.

This Course Selection Handbook describes academic, elective, and career and technology course offerings planned for Byron P. Steele, II High School in 2008-2009. **Information in this publication is subject to change by action of the Board of Trustees of the SCUC ISD or the Texas Education Agency.** SCUC ISD reserves the right to add courses not described herein and to delete courses if minimum enrollment criteria are not met or if certified teachers are not available.

Schertz-Cibolo-Universal City ISD offers various career and technology education programs. Admission to a program is based on the prerequisites listed. It is the policy of the Schertz-Cibolo-Universal City ISD not to discriminate on the basis of race, color, national origin, sex, religion, or handicap in providing education or access to benefits of education services, activities and programs, including vocational programs in accordance with Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, as amended.

For more information about your rights or grievance procedures, contact the Title IX Coordinator, and Section 504 Coordinator, Mr. Jake Wyatt. He can be reached at 1060 Elbel Road, Schertz, Texas 78154 or 945-6200.

Career Clusters

Career Clusters are categories of occupations as delineated by the state to help students in planning for their future careers. Students are provided guidance throughout their high school career in choosing courses that will help them in their chosen field of interest. Students should choose a Career Cluster when they register for courses. Students are free to change their Career Cluster should their interests change. The Steele High School Counseling Staff can answer questions and conference with students and parents regarding student choices of Career Cluster. For your information, the seven broad Clusters or categories are described below.

Agriculture Science and Technology

The environmental and agricultural science field is for those persons who are concerned with the natural sciences and the environment. Those following this career path work primarily with improving the quality of life for all. Agriculture and the preservation of natural resources must continue to sustain Texas and the nation. Agriculture is the nation's largest industry employing 20% of the nation's workforce.

Arts, Communications and Media Technology

The Arts, Communications, and Media Technology Career Cluster involves many areas of possible occupational choices. The focus is on occupations involving areas such as journalism, performing arts, creative arts and crafts, and media services. This cluster requires less depth in specialized mathematics and science. Emphasis is placed on creativity and communication. This pathway is especially for those who have a "creative eye" or who enjoy conveying a message through print, art, drama, dance, or other media.

Business and Marketing Management

Business and marketing management careers may include financial and organizational activities. Some may involve positions of high responsibility in the organization, administration, and efficient functioning of business. Business careers may involve sales and promotions as well as clerical and secretarial skills. The business and marketing field requires the ability to work well with all kinds of people, to keep accurate records, and to use math skills in dealing with money.

Health Science Technology

Nowhere has the introduction of technology had more far-reaching impact than in Health Science Technology careers. Nor is there a cluster that offers more variety for entry level and high-level professional careers and hundreds of career choices in between. Major hospitals today are huge "cities" with amenities ranging from janitorial services, shipping and receiving, food services, building maintenance, communications, data collection, and computer technology. Areas in need of skilled employees include laboratory, therapy, pharmaceutical, and research. Millions of career people are needed to back up the medical specialists--dietitians, research scientists, medical doctors, psychologists, and psychiatrists.

Human Development, Management, and Services

Human Development, Management, and Service careers involve working with people. This cluster includes education, social, and government-related service occupations. Economists predict that this is one of the largest growing and most varied occupational areas within our economy. Citizens will need increased services in the area of childcare providers, teachers, and leisure program leaders such as sports, summer recreation, church, and scouting. This area also provides occupations with minimal training through advanced degrees. This career path requires knowledge and skills that are used by all people in their daily lives. Courses in this path will enhance personal well being, will give satisfaction of having helped others, and can lead to an occupation that will always be in demand.

Trade/Industrial and Engineering Technology

Today's Trade/Industrial and Engineering Technology careers are experiencing rapid growth. These technological careers involve working primarily with computers, machines, tools, and materials such as wood, metal, paints or plastics. This cluster is for persons interested in solving problems using technology. Trade and Industrial careers are vital to the efficient functioning of a society in the operation, maintenance, and repair of its equipment and machinery. Engineering careers involve designing, problem solving, and planning things and ideas used throughout society. Participation in these courses will help students to develop marketable job skills that will lead to gainful employment in tomorrow's job market.

Graduation Requirements

Candidates for graduation must meet the following requirements:

RECOMMENDED HIGH SCHOOL PROGRAM

(Required for all students entering 9th grade during the 2007-2008 school year and thereafter.)

English (English 1, 2, 3, 4) 4 units

Mathematics 4 units

Algebra 1, Geometry, Algebra 2 and 1 more from approved list of math courses, such as: Math Models with Applications, Pre-Calculus, AP Computer Science, or AP Calculus, (if Math Models with Applications is chosen, it must be taken before Algebra 2.)

Science 4 units

One credit must be Biology. Students must choose two credits from the following areas. Not more than one credit may be chosen from each of the areas to satisfy this requirement.

1. Integrated Physics and Chemistry (IPC) Students who take IPC must select Chemistry & Physics as their next two science requirements;
2. Chemistry or AP Chemistry; and
3. Physics, or AP Physics,

The 4th year of science may be selected from any approved lab-based course.

Social Studies 3 1/2 units

(World Geography, World History, United States History Studies from Reconstruction, United States Government)

Economics with Emphasis on the Free Enterprise System 1/2 unit

World Language (other than English) 2 units

The credits earned must be for any two levels in the same language.

Fine Arts 1 unit

Health 1/2 unit

Physical Education 1 1/2 units

(Students may earn a maximum of 2 credits of PE)

Communication Applications 1/2 unit

Technology Applications 1 unit

Electives 3 1/2 units

Total 26 units

RECOMMENDED PLAN

(Required for all students starting high school during the 2004-2005, 2005-2006, or 2006-2007 school year.)

English 4 units

Mathematics 3 units

(Algebra 1, Geometry, Algebra 2)

Science (3 of the following): 3 units

(Integrated Physics & Chemistry (IPC), Biology I & II, Chemistry I & II, Physics I & II)

Social Studies 4 units

(World History, World Geography, U.S. History, Government and Economics)

Second Language (of same language) 2 units

Fine Art 1 unit

Health 1/2 unit

Physical Education (maximum 2) 1 1/2 units

Communication Applications 1/2 unit

Technology Applications 1 unit

Electives 3 1/2 units

Total 24 units

Distinguished Achievement Program (Advanced High School Program) for students starting high school during the 2004-2005, 2005-2006, or 2006-2007 school year,

Students must meet all requirements for their Recommended Plan with the addition of a 3rd credit of a second language. This reduces the elective requirement to 2 1/2 credits. Students must also complete any combination of four of the following advanced measures: original research, test data, (AP credit or National Merit Commended Scholar or higher), a grade of 3.0 or higher on college courses, and/or completing a license awarded by a professional board or association.

Distinguished Achievement Program (Advanced High School Program) for students starting high school during the 2007-2008 school year and thereafter.

Students must meet all requirements for their Recommended Plan with the addition of a 3rd credit of a second language. This reduces the elective requirement to 2 1/2 credits. The math credits must consist of Algebra I, Algebra II, and Geometry and an additional SBOE-approved mathematics course for which Algebra II is a prerequisite. The science credit must consist of a biology credit, a chemistry credit, a physics credit, and an additional approved laboratory-based science course. Students must also complete any combination of four of the following advanced measures: original research, test data, (AP credit or National Merit Commended Scholar or higher), a grade of 3.0 or higher on college courses, and/or completing a license awarded by a professional board or association.

*****Texas Grant Program

The Texas Legislature approved HB 713, establishing the Toward Excellence, Access, and Success (TEXAS) Grant Program. This program establishes grants to cover tuition and fees to Texas public universities, community colleges, and technical schools for students who have successfully completed the recommended/Texas scholars Program of higher high school graduation programs and have financial need. If an eligible student attends a private or independent college or university in Texas, his or her award is based on public university and fee charges. Students who graduated in December 1998 or later are eligible to apply for an award through the Texas Grant. The "financial need" is determined by the completed Free Application for Federal Student Aid (FAFSA).

INTERNATIONAL BACCALAUREATE (IB)

The IB Diploma Program is a two-year liberal arts college curriculum available to schools who receive the IB charter. Samuel Clemens High School is currently an IB school. Students and parents that are interested in the IB Program should contact their counselor for more information

Recommended sequence of courses at each grade level

Entering Freshmen 2007 – 2008

Freshman/9th grade year

English I
Algebra I (or Geometry if Algebra I was taken in 8th grade)
Biology
W. Geography
Health /Communication Applications (speech)
P.E. (or substitute)
Elective

Sophomore/10th grade year

English II
Geometry (or Algebra II if Geometry already completed)
Chemistry
W. History
Technology Applications (BCIS-Business Computer Information Systems, Computer Science or an advanced computer course (if eligible)
P.E. to complete 1 1/2 credit or show qualifying substitute
Elective or start Second Language

Junior/11th grade year

English III
Math (students may take Algebra II then Pre-Cal in grade 12, or Math Models this year and Algebra II in grade 12)
Physics
U.S. History
Second Language I or II
Fine Art (if not already addressed)
Elective

Senior/12th grade year

English IV
Math (Algebra II or higher must be taken in grade 12)
Science (Must be from selected lab sciences)
Government/Economics
Second Language II (if not already addressed)
Electives

Total of 26 credits

Entering Freshmen – 2004-2005, 2005-2006, 2006-2007

Freshman/9th grade year

English I
Algebra I (or Geometry if Algebra I was taken in 8th grade)
Biology
W. Geography
Health /Communication Applications (speech)
P.E. (or substitute)
Elective

Sophomore/10th grade year

English II
Geometry (or Algebra II if Geometry already completed)
Chemistry
W. History
Technology Applications (BCIS-Business Computer Information Systems, Computer Science or an advanced computer course (if eligible)
P.E. to complete 1 1/2 credit or show qualifying substitute
Elective or start Second Language

Junior/11th grade year

English III
Math - Algebra II
Physics
U.S. History
Second Language I or II
Fine Art (if not already addressed)
Elective

Senior/12th grade year

English IV
Government/Economics
Second Language II (if not already addressed)
Electives

Total of 24 credits

COURSE DESCRIPTIONS

ENGLISH DEPARTMENT

The English program features two plans. Students and parents should consider each option carefully before making a decision about which track an individual student should choose.

PLAN I-ADVANCED PLACEMENT/ENGLISH PROGRAM

This plan serves the needs of the college-bound student who has proven to have exceptional abilities in language arts. The program includes more rigorous academic challenges in the study of English and will meet the needs of the students who are gifted in language arts. Upon completion, students will have the opportunity to take the nationally recognized College Board Advanced Placement exams in English Language and Composition and/or English Literature and Composition. Acceptable scores on these exams may result in 6-12 hours of credit in most colleges and universities. There is a fee for each of these AP tests, which are given in the junior and senior years. Pre-AP and AP students will receive honors credit for successful completion of each course. Failure in one of the courses may result in removal from the program. Admission to the program requires teacher recommendation and departmental evaluation.

PLAN II-REGULAR ENGLISH LANGUAGE ARTS

The second plan of the English program is a strong curriculum of regular English instruction designed to prepare the majority of our students for the world of business, technical work, and/or higher education. Overall, the emphasis in Regular English Language Arts is the achievement of the language and communication skills needed by all students in today's world. This curriculum does not include mastery of Advanced Placement material for credit; however, any regular English student who maintains academic excellence may choose to pay the fee and take the AP exams in his/her junior or senior year.

ENGLISH I (1111)

The study of grammar consists of establishing a basic grammar foundation including sound sentence construction, punctuation, agreement, and pronoun usage. Composition skills are emphasized through short answer responses, paragraph constructions, and short essays. Literature selections represent world authors and stress boosting reading comprehension. TEKS/TAKS reading and writing objectives are integrated throughout the English I program.

Credit: 1 unit

PRE-AP ENGLISH I (1120)

This course is an enriched language arts option for qualified students who desire a more intense, college-bound curriculum. Designed to challenge the student both intellectually and ideologically, this course features strong emphasis on analytical writing in conjunction with enriched, diverse literature to foster the independent critical thinking and writing skills necessary for entry into upper level Advanced Placement courses. The course includes a summer reading requirement which will be posted on the website.

Prerequisite: Teacher recommendation

Credit: 1 unit

ENGLISH II (1112)

The study of grammar and mechanics includes a review of TEKS and TAKS based skills. A strong emphasis is placed upon applying grammar and mechanics skills to short answer and essay responses. Research skills focus on documentation and culminate in an oral presentation. Reading and writing skills are assessed based upon selected literary texts of short stories, poems, novel, and drama excerpts.

Prerequisite: English I

Credit: 1 unit

PRE AP-ENGLISH II (1121)

This course is an enriched language arts option for qualified students who desire a more intense, college-bound curriculum. Intensive work in grammar, vocabulary, and composition skills are geared to assist students and prepare them for both state and college-level tests. It also features a strong emphasis on analytical writing in conjunction with enriched literature to continue students' preparation for entry into upper-level advanced placement courses. The course includes a summer reading requirement which will be posted on the website.

Prerequisite: Teacher recommendation/Acceptable grades in English I (any level)

Credit: 1 unit

ENGLISH III (1113)

The study of grammar includes TEKS and TAKS based skills, punctuation, and usage. Composition aspects include short, analytical paragraphs, essays, and a documented research project. Selected literary texts are taken from colonial times through the 20th century. In addition, reflexive TAKS-style paragraphs and essays are taught in preparation for the TAKS Exit Test.

Prerequisite: English II

Credit: 1 unit

AP ENGLISH III (1122)

This course focuses on an intensive study of college level composition skills and syntactical analysis. This enriched college preparatory curriculum uses college readers as well as classic and modern literature. A refinement of critical thinking, reading, and writing skills continues, culminating in students participating in the Advanced Placement Test in Language and Composition at the end of the course as well as in a documented research project. Research and Technical Writing is strongly recommended as a concurrent enrollment. Registration in this course implies commitment to take the AP exam upon completion of course and to pay a portion of exam fee. The course includes a summer reading requirement which will be posted on the website.

Prerequisite: Success in English II (any level), writing sample, teacher recommendation, and a knowledge of a variety of writing modes and reading selections covered in Research and Technical Writing.

Credit: 1 unit

HONORS RESEARCH AND TECHNICAL WRITING (1123)

This course includes the analysis of a wide variety of texts and requires students to skillfully research various topics. Through this focus, students will develop skills necessary for writing persuasive and informative texts such as essays, reports, proposals, and memoranda. Students are given timed writings and are expected to apply the conventions of usage and mechanics of written English. This course is a strongly recommended elective to be taken in conjunction with AP English III to help prepare students for the many types of writing in college courses, including those found on the AP Language and Composition Examination. Students who register for AP English III and who receive a 1 on the 10th grade TAKS essay are strongly recommended to register for this course.

Prerequisite: Acceptable grades in English II, writing sample, and teacher recommendation

Credit: 1 unit

ENGLISH IV (1114)

A review of all grammar and mechanics skills learned in the previous three years is applied through numerous short answer and essay responses as well as a documented research project. British Literature from Anglo-Saxon to times of the 20th Century will be studied.

Prerequisite: English III

Credit: 1 unit

AP ENGLISH IV (1124)

This course will offer an enriched college-preparatory curriculum focusing on an intense study of classic and modern literature with continued refinement of critical writing skills leading to participation in the Advanced Placement Test in Literature and Composition. Literary Genres is a strongly recommended complement. Registration in this course implies commitment to take the AP exam upon completion of course and to pay a portion of the exam fee. The course includes a summer reading requirement which will be posted on the website.

Prerequisite: Success in English III (any level), writing sample, teacher recommendation and knowledge of a variety of reading selections covered in Literary

Credit: 1 unit

HONORS LITERARY GENRES (1125)

Students in Literary Genres analyze fiction and poetry selections representing classic through modern works, studying how well-written literary texts can serve as models for their own writing and discussing and practicing literary analysis. The course requires students to review language principles, take timed writings, and complete close reading exercises. This is a strongly recommended elective to be taken in conjunction with AP English IV that will help prepare the student to respond to the many types of world literature found in college courses and on the AP Literature and Composition Examination.

Prerequisite: Acceptable grades in English, writing sample, and teacher recommendation

Credit: 1 unit

CREATIVE WRITING (1140)

This course helps the student learn to express ideas creatively. It is divided into four units that focus on different forms of writing: autobiography, short story, poetry, and drama. (Does not substitute for required English)

Credit: 1/2 unit

CREATIVE WRITING 2 (1141)

Students enrolling in this course will concentrate on one of the following areas: participation in the production of The Wandering Bard, the school literary magazine, the attempt to publish their own creative writing with outside sources; or participation in a video filmmaking production. Approval by the instructor is required to enroll in this class.

Prerequisite: Creative Writing and teacher approval

Credit: 1/2 unit

COMMUNICATION APPLICATIONS (1170)

Communication Applications is a meaningful course for students making the transition from school to jobs and careers. This class offers both communication theory and the opportunity to develop skills through practical application with the emphasis on professional and social communication. Communication Applications is unique in its focus on interviewing, listening, verbal and nonverbal communication, group and team presentations, and conflict management.

Credit: 1/2 unit

JOURNALISM (1160)

The basic skills of journalism are taught. These include interviewing; news writing; news style; feature, editorial, and sports writing; copy reading; headline writing and picture placement and cropping.

Prerequisite: Freshman/Sophomore

Credit: 1 unit

PHOTOJOURNALISM I (1180)

This course is designed to provide opportunities to plan photographs in relation to assignments, teaches how to use a camera, process film, apply principles of composition and develop a system for photo editing. This is a self-directed course where students work independently and in groups, shooting photos and video as well as working in the darkroom with minimal teacher supervision. Students who sign up for this class should be self-motivated and responsible. Parents should know that students will be working with expensive photographic equipment and that they (parents) must sign a permission form accepting financial responsibility for damage or loss of equipment.

Prerequisite: None

Credit: 1/2 unit

PHOTOJOURNALISM II (1181)

This course addresses the same principles as Photojournalism on a more advanced level. The emphasis will be on both artistic and journalistic photography.

Prerequisite: An A or B in Photojournalism; 35mm camera recommended

Credit: 1/2 unit

INDEPENDENT STUDY IN JOURNALISM (EDITORS) (1168)

Under the supervision of a mentor/instructor, the high-achieving student in journalism is provided the opportunity to select an area of interest, to conduct research, and to produce an original work in print or another medium. Students who plan to be publications editors or video production editors should plan to take this class in addition to Advanced Journalism Yearbook or Advanced Journalism Newspaper if their schedules allow. Selected members of this class will also co-produce the school broadcast network program with theater and multimedia students.

Prerequisite: Journalism I and teacher approval

Credit: 1 unit

ADVANCED JOURNALISM/YEARBOOK I, II, III (1161, 1162, 1163)

This course gives students the opportunity to use skills learned in journalism to plan and organize a school yearbook. Students also learn techniques of layout and design, preparation and selling of advertisement and the selling of and marketing of the publications. Students who plan to be yearbook editors should plan to sign up for Honors Independent Study Journalism as well as this course if their schedule allows.

Prerequisite: Journalism I or advisor approval

Credit: 1 unit

ADVANCED JOURNALISM/NEWSPAPER I, II, III (1164, 1165, 1166)

In this course, the skills learned in journalism are put into practice by working on the school newspaper. Students publish and edit the paper as a class project. Students who plan to be newspaper editors should plan to sign up for Honors Independent Study Journalism as well as this course if their schedule allows.

Prerequisite: Journalism I or advisor approval

Credit: 1 unit

ESL--ENGLISH FOR SPEAKERS OF OTHER LANGUAGES I, II, LC (1131, 1132, 1133)

The ESL program serves students who need a specialized class for second-language learning of English. ESL I and II cover the TEKS for regular English I and II with instruction given on the level of the individual student. Emphasis is placed on reading and writing about literature, as well as writing persuasive and reflexive essays and practicing standard grammatical usage.

Prerequisite: Teacher/Counselor recommendation/screening test

Credit: 1 unit each year

ESL READING I, II, III, LC (1196, 1197, 1198, 1199)

ESL reading offers further practice in using the English language for students who are learning English as a second language. Practice will be in reading, writing, speaking, and listening skills. There will be special emphasis placed on mastering TEKS/TAKS.

Prerequisite: Teacher/Counselor recommendation/screening test

Credit: 1 unit

BASIC READING I, II, III (1190, 1191, 1192)

This course is for students who are reading below grade level. The course focuses on the improvement of basic reading skills, including comprehension, drawing conclusions and generalizations, seeing cause and effect relationships, identifying main ideas and point of view, and using graphs and charts.

Prerequisite: Below grade-level reading scores on standardized tests
Credit: 1 unit

READING (TAKS Remediation) I, II, III (1193, 1194, 1195)

Students who have not mastered reading on TAKS will take this elective designed to remediate and improve reading skills.

Prerequisite: TAKS non-mastery
Credit: 1 unit

DYSLEXIA READING (1189)

This is a formal 2-year program using the Wilson Reading System. Students who have been identified with severe dyslexia and who have not previously completed the program may enroll.

Prerequisite: See above
Credit: 1 unit per year for 2 years

BASIC ENGLISH I, II, III, IV

Basic classes are designed to meet the individual needs of students with disabilities. These needs are written as goals and objectives, and are found in each student's Individualized Education Plan (IEP). Successful completion of coursework is contingent upon mastery of these goals and objectives. Basic classes focus primarily on grade level academics which are modified to meet the students' individual needs. Social Skills training, however, is integrated into the program as needed. Students are admitted into basic classes only with approval of the ARD committee.

VOCATIONAL LANGUAGE ARTS I, II, III, IV

These courses will provide practical applications in the areas of reading, writing, listening, speaking, and representing in both the classroom and the workplace setting: reading as it relates to employment; writing as it relates to employment; listening as it relates to employment, and speaking as it relates to employment.

VOCATIONAL SPEECH

This course is designed to develop self-esteem and a general confidence in the ability to communicate by focusing on and providing opportunity to master social and communication skills necessary to promote success in the workplace.

MATHEMATICS DEPARTMENT**ALGEBRA I (1211)**

This course is the basis of all high school mathematics and the first course available to students in the high school. It develops the foundations of functions: specifically linear, quadratic, and nonlinear functions. It will be necessary to set up equations from problem situations and solve and graph equations both algebraically and using a graphing calculator.

Prerequisite: None
Credit: 1 unit

GEOMETRY (1222)

Geometry seeks to improve logical reasoning. Students will begin with the most basic geometric concepts; then they will cover parallel and perpendicular lines, congruent triangles, similarity, proportion, and quadrilaterals. This will be followed by the study of right triangles and trigonometry, circles, polygons, area, volume, coordinate, and transformational geometry. Algebraic skills are reviewed and strengthened through applications in problem solving.

Prerequisite: Algebra I
Credit: 1 unit

HONORS GEOMETRY (1223)

This course is more intensive and more extensive than the regular course. In addition to the regular course content, a unit of symbolic logic is included. Emphasis is on problem solving which requires considerable mathematical insight. At least one student project will be required.

Prerequisite: Teacher/Counselor recommendation
Credit: 1 unit

ALGEBRA II (1212)

The main concepts will be continuing the foundations for functions and providing connections between algebra and geometry. Specific topics will include functions covering quadratics, radicals, rational expressions, exponents and logarithms.

Prerequisite: Algebra I or the equivalent
Credit: 1 unit

HONORS ALGEBRA II/DUAL CREDIT (1214) (1216)

This course is more intensive and more extensive than the regular course. Students may elect to take the course either as Honors or Dual Credit. Since it may be taken as a Dual Credit course in partnership with St. Philip's College, all course objectives as outlined in the course syllabus for College Algebra (Math 1314) will be accomplished. Please see the information about Dual Credit at the end of the Course Description section.

Prerequisite: Honors Geometry or teacher recommendation,
For Dual Credit: Student must meet testing requirements for the Dual Credit program.
Credit: 1 unit

PRE-CALCULUS (1230)

The college-bound student enrolled in this course will be provided opportunities to study polynomial, rational, exponential, logarithmic, circular, and trigonometric functions as well as vectors, complex numbers, sequences, series, and second-degree relations. Technology aided problem solving, computational skills, and applications to real-world problems will be stressed.

Prerequisite: Geometry and Algebra II
Credit: 1 unit

PRE-AP PRE-CALCULUS (1228)

The mathematically proficient college-bound student enrolled in this course will be provided opportunities to study all the topics covered in the regular pre-calculus course, but in more depth. More time will be spent with the formal definition of limits, as well as more work with parametric and polar equations.

Prerequisite: Honors Geometry and Honors Algebra II, or teacher recommendation
Credit: 1 unit

AP CALCULUS AB (1231)

This course is equivalent to a first-semester calculus course at the college level and is designed to prepare students for the Advancement Placement Examination. This test allows students to receive one semester of college credit. Concept, skills, techniques, and applications associated with limits, derivatives, and integration are emphasized. Registration in this course implies commitment to take the national AP Calculus exam given by the College Board in May and to pay a portion of the exam fee.

Prerequisite: Pre-Calculus
Credit: 1 unit

AP CALCULUS BC (1234)

This course contains everything in Calculus AB but at a faster pace. It includes additional techniques of integration with an introduction to vector and parametric functions and their derivatives. Sequences and series are also included in this course. Students should plan on taking the AP Calculus test at the end of this course. Passing the Calculus BC test allows students to receive two semesters of college credit in calculus. Registration in this course implies commitment to take the national AP Calculus exam given by the College Board in May and to pay a portion of the exam fee.

Prerequisite: Pre-AP Pre-Calculus or teacher recommendation
Credit: 1 unit

AP STATISTICS (1238)

This course for college-bound students will explore various counting procedures, probabilities, distributions and inferential statistics. Technology aided problem solving will be stressed.

Prerequisite: Algebra II AND Geometry
Credit: 1 Unit

MATHEMATICAL MODELS WITH APPLICATIONS (1240)

Students will use mathematics to model and solve real-life problems involving money, data, probability, patterns, music, design, and science. Specific methods students will utilize include algebraic, graphic, and geometric reasoning to recognize patterns and model information.

Prerequisite: Algebra I
Credit: 1 unit

BASIC MATH I, II, III, IV

Basic classes are designed to meet the individual needs of students with disabilities. These needs are written as goals and objectives, and are found in each student's Individualized Education Plan (IEP). Successful completion of coursework is contingent upon mastery of these goals and objectives. Basic classes focus primarily on grade level academics which are modified to meet students' individual needs. Social Skills training, however, is integrated into the program as needed. Students are admitted into basic classes only with approval of the ARD committee.

VOCATIONAL MATH APPLICATIONS I, II, III

These course are designed to reinforce math operations by employing a variety of practical, real life situations designed to facilitate the understanding and successful application of mathematics in both home and vocational settings: number operations and quantitative reasoning as related to employment; patterns and relationships as related to employment; geometry and spatial relationships as related to employment.

SCIENCE DEPARTMENT

The Texas Education Agency recommends the sequence of Biology (or Pre-AP Biology), Chemistry (or Pre-AP Chemistry), and Physics, followed by a 4th year of science.

BIOLOGY (1301)

This course studies scientific method, general biochemistry, the cell and its functions, biochemical processes including photosynthesis, cellular respiration, and protein synthesis, genetics, biodiversity, classification of organisms, comparison of systems among organisms including bacteria, protists, fungi, plants and animals as well as their role in the environment, ecology, and human body systems. Laboratory skills and laboratory safety will also be emphasized.

Credit: 1 unit

PRE-AP BIOLOGY (1304)

This is a college preparatory course, more rigorous than Biology, emphasizing the fundamental concepts of biochemistry and the interrelationships between processes such as energetics, photosynthesis, and cellular metabolism in living organisms. Other topics include protein synthesis, genetics, classification, comparison of systems among organisms, ecology and human body systems. Safe laboratory skills and independent analysis of data will be emphasized. There will be several independent research projects and oral presentations required during the course.

Credit: 1 unit

AP BIOLOGY 2 (1306)

AP Biology is the equivalent of a full year 6-8 credit college biology lecture and laboratory course. This is a very intense, fast paced course. Curriculum is set by the National College Board with required topics and labs to be completed. Independent research projects, study, and laboratory notebooks will be an integral part. Registration in this course implies commitment to take the national AP Biology exam given by the College Board in May and to pay a portion of the exam fee.

Prerequisite: Biology I (Pre-AP level is strongly recommended) and Chemistry I (Pre-AP level is strongly recommended) and Algebra II

Credit: 1 unit

INTEGRATED PHYSICS AND CHEMISTRY (IPC) (1311)

Integrated physics and chemistry is an entry-level course for students who need additional instruction in physics or chemistry concepts. Topics covered are metric measurement, density, mechanics, simple machines, heat transfer, buoyancy, basic concept of the atom, chemical reactions, light, and electricity. Laboratory skills and safety will be emphasized.

Credit: 1 unit

CHEMISTRY (1331)

Chemistry is a course that introduces the fundamental concepts involved in understanding matter and the changes that it undergoes. The course will cover the structure and properties of matter as they relate to the periodicity of the elements, the mole concept, stoichiometry, equilibrium, kinetic-molecular theory, quantum mechanics and other concepts that need to be introduced in a basic chemistry course. Safe laboratory techniques will be emphasized in performing experiments related to the learned theories.

(*Note: If taken in the 10th grade, the student must take Physics in the 11th grade.)

Prerequisite: Algebra I, Biology I or IPC

Credit: 1 unit

PRE-AP CHEMISTRY (1330)

This college preparatory course introduces the fundamental concepts involved in understanding matter and the changes that it undergoes as listed in the Chemistry I description. This is a more rigorous course than Chemistry I with emphasis on development of chemical theories and application of problem solving skills. Laboratory skills and independent analysis of data are accentuated. Independent research projects will be required. (*Note: if taken in the 10th grade, the student must take Physics in the 11th grade.)

Prerequisite: Algebra II (concurrent enrollment), Biology (Pre-AP strongly recommended)

Credit: 1 unit

AP CHEMISTRY 2 (1332)

AP Chemistry is the equivalent of a full year 6-8 college chemistry lecture and laboratory course. This is a very intense, fast-paced course. Curriculum is set by the National College Board with required topics and labs to be completed. Laboratory notebooks are a requirement. Graphing calculators are a necessity. Registration in this course implies commitment to take the national AP Chemistry exam given by the College Board in May and to pay a portion of the exam fee.

Prerequisite: Biology I (Pre-AP level is highly recommended) and Chemistry I (Pre-AP level is highly recommended) and Algebra II and Physics or concurrent enrollment

Credit: 1 unit

PHYSICS (1349)

This course provides a solid foundation in physics theory and practical applications. Topics covered included optics, composition of forces, Newton's Laws of Motion, energy, work, and electricity. Independent projects and study will be required.

Prerequisite: Biology I, Chemistry I, Algebra I, Geometry and concurrent enrollment in Algebra II

Credit: 1 unit

PRE-AP PHYSICS (1351)

This college level introductory physics course presents a realistic balance between physics theory and scientific research. Topics covered include optics, between physics theory and scientific research, Newton's Laws of Forces and Gravitation, velocity, acceleration, and relativity. Independent projects and study will be required.

Prerequisite: Chemistry I and Algebra II
Credit: 1 unit

AP PHYSICS 2 (1352)

AP Physics is the equivalent of a full year 6-8 credit college physics lecture and laboratory course. This is a very intense, fast-paced course. Curriculum is set by the National College Board with required topics and labs to be completed. Laboratory notebooks are a requirement. Graphing calculators are a necessity. Registration in this course implies commitment to take the national AP Physics exam given by the College Board in May and to pay a portion of the exam fee.

Prerequisite: Physics I, Chemistry I, and Pre-Calculus, concurrent enrollment in Calculus (highly recommended)
Credit: 1 unit

AQUATIC SCIENCE (1321)

Aquatic Science is a laboratory oriented, inter-disciplinary course that covers concepts from biology, chemistry, physics, geology, meteorology, mathematics, aquatic resources, engineering, and geography as they relate to the marine environment.

Prerequisite: Biology and Chemistry I, Algebra I and Geometry
Credit: 1 unit

ASTRONOMY (1325)

This course will make use of student observation, reading of current literature, writing, and PBL's to explore how Earth fits into the Cosmos. We will study our place and variations in the solar system and the causes for seasons on Earth and other planets; how our sun compares to others in the Milky Way; and how stars are explored in general. Students will gain an understanding of theories of the origins of the universe. Students MUST be available for several night-time observations that will be scheduled monthly.

Prerequisite: Biology I, Chemistry I, Physics, Algebra II

ANATOMY & PHYSIOLOGY OF HUMAN SYSTEMS (1790)

This course studies the relationship between the structure and function of the human body. Principles of biochemistry, tissue structure, and homeostasis are emphasized and used as a background for the understanding of later concepts covered in each of the major body systems. Dissections and lab practicals are required and are an integral part of this class. Independent research projects are required during this course.

Prerequisite: Biology I (or Pre-AP Biology), Chemistry I, and Physics or concurrent enrollment
Credit: 1 unit

ENVIRONMENTAL SYSTEMS (1323)

This course is designed to introduce students to the major ecological concepts and the environmental problems affecting the world in which they live. Problems in areas of ecology, geology, atmospheric science, biology, chemistry law, economics, and ethics will be approached.

Prerequisite: Biology I, Chemistry I, and Physics or concurrent enrollment
Credit: 1 unit

VOCATIONAL ENVIRONMENTAL STUDIES I, II

These courses FOCUS ON SCIENCE BASED CONCEPTS RELATED SPECIFICALLY TO HOME AND WORK ENVIRONMENTS. Attention is given to relating science to home and job practices that foster the successful application of needed skills in both environments: activity based science related to community and employability; environmental science as it relates to employment and independent living

SOCIAL STUDIES DEPARTMENT

WORLD GEOGRAPHY (1442)

This course emphasizes the relationship between people and places. Students will learn the five themes of geography and the five basic skills of geography and apply them to the physical and human characteristics of the world. The first half of the course is primarily devoted to the study of physical environments and how they are shaped, altered, and impacted by humans. The second half of the course focuses on regional studies. Students will apply the information previously covered in order to better understand how regions develop and function independently.

HONORS WORLD GEOGRAPHY (1444)

This course includes the study of both the physical and human aspects of geography. Students will gain basic geographic skills that include reading and using various types of maps. Students will also examine the cultural, economic, and political characteristics of regions of the earth. Students will identify and analyze the factors that cause cultures to change, such as globalization. This course also includes examining current issues that plague various nations and what role history, economics and international political relations has played in the formation of those problems. Students will leave this class with a clearer understanding of world cultures, landscapes, and events, as well as a true appreciation of cultural diversity that will help them to live in this multicultural and globally independent world.

Credit: 1 unit

WORLD HISTORY (1440)

This course surveys ancient, medieval, and modern history from the dawn of man to the modern era. This course includes map study, vocabulary, and outside reading. The first semester covers a period from prehistory to the medieval era. The second semester covers from the 15th century to modern times. Social studies skills are emphasized throughout the course of study.

Prerequisite: Sophomore
Credit: 1 unit

AP WORLD HISTORY (1446)

AP World history is a college-level survey class with the purpose of developing greater understanding of the historical development of global processes and contacts between different types of human societies. Understanding is advanced through the acquisition and mastery of factual knowledge as well as analytical writing, test taking, and organizational skills. The course highlights the nature of change in an international context and the causes and consequences of change. Registration for this course implies commitment to take the national AP World History examination and to pay a portion of the exam fee.

Prerequisite: Sophomore
Credit: 1 unit

US HISTORY (1450)

This course is a study of the development of the United States political, social, and economic growth from reconstruction to current times. Topics include social and political changes, reform movements, foreign affairs and development as world power, and economic growth and development. Emphasis is placed on current events and world geography in a globally interdependent world. Students describe relationships between arts and the times during which they were created. Students analyze the impact of technological innovations on the American labor movement, and apply different methods historians use to interpret the past.

Prerequisite: Junior
Credit: 1 unit

HONORS U.S. HISTORY /Dual Credit* (1454)

This course is a survey of U.S. History from the era of exploration and colonization through the present. It is also a dual enrollment course in partnership with St. Philip's College. A syllabus approved by St. Philip's guides the content. The course meets requirements of the State of Texas for high school graduation. Topics include: the development of modern democracy, the sectional divides leading to disunion, westward expansion, industrialization, the emergence of the U.S. as a world power, social and cultural changes in the twentieth century, economic growth and development of the nation, and geographic influences. This course emphasizes critical thinking skills, interpretation, analysis, and evaluation of the past by incorporating primary and secondary sources. Outside reading time and preparation of a formal research paper is a requirement.

Prerequisite: For dual credit, student must also complete an application and meet testing requirements.

Credit: 1 unit.

Please see the information about Dual Credit at the end of the Course Description section

AP US HISTORY (1455)

The AP Program in US History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in US history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The AP course will also train students to analyze and interpret primary sources, take notes from printed materials, lectures and discussions, and write analytically for essay examinations. Registration for this course implies commitment to take the national AP US History examination and to pay a portion of the exam fee.

Prerequisite: Junior

Credit: 1 unit

US GOVERNMENT (1460)

This semester course covers the study of the structure, functions, and powers of the government at the national, state, and local levels. Students analyze major concepts of republicanism, federalism, separation of powers, and individual rights and responsibilities. Students also analyze the impact of individuals, political parties, interest groups, and media in the American political system.

Prerequisite: Senior

Credit: 1/2 unit

HONORS US GOVERNMENT//DUAL CREDIT* (1462)

This semester course is a study of the general concepts used to interpret the U.S. political system and politics. It is also a dual enrollment course in partnership with St. Philip's College. A syllabus approved by St. Philip's guides the content. It provides familiarity with the various institutions, groups, beliefs, and ideas that make up US political reality. The design of the course will provide opportunities for students to acquire an analytical perspective on government and politics in the US. Students may expect to observe governmental bodies in action, research a current issue and write a paper. This course may be taken for honors or dual credit with proper arrangements.

Prerequisite: Senior

Prerequisite: For dual credit, student must also complete an application and meet testing requirement

Credit: 1/2 unit (plus 3 semester college hours for Dual Credit)

Please see the information about Dual Credit at the end of the Course Description section

AP U.S. GOVERNMENT (1463)

This course is designed to meet the requirements of a college level course in US Government and Politics. The topics covered in this course are Constitution Underpinnings of the US government, Political beliefs and behavior, Political parties, interest groups, mass media; Institutions of government, Public policy and Civil liberties and civil rights. This is a rigorous course requiring large amounts of reading, outside class assignments and intensive writing skills. Registration in this course implies a commitment to hard work and taking the national AP US Government and Politics exam and to pay a portion of the exam fee.

Prerequisite: Senior, US History Credit

Credit: 1/2 unit

ECONOMICS (1470)

With Emphasis on the Free Enterprise System and its benefits, this one semester course emphasizes the American free enterprise system along with basic economic theory regarding the production, distribution, and consumption of goods, and services in the US and other economic systems. The advantages of economic incentives, voluntary exchange, private property, and competition are examined critically. Consumer economics and the rights and responsibilities of consumer and producer alike are studied as a complement to the citizenship values studied in the US Government class. Students analyze the interaction of supply, demand, and price, and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are also studied. The impact on the national economy and national economic policies of a variety of factors, including geography, government, ideas from philosophers, and other writers, societal values, scientific discoveries, and technological innovations, are given due consideration. Students apply critical thinking skills to construct economic models and to evaluate patterns of economic activity.

Prerequisite: Senior

Credit: 1/2 unit

HONORS ECONOMICS//DUAL CREDIT (1484)

This course will emphasize microeconomic principles but will also provide a brief overview of essential macroeconomic principles. It is also a dual enrollment course in partnership with St. Philip's College. A syllabus approved by St. Philip's guides the content. Using the American Free Enterprise System as a model, students will learn basic economic theory, consumer behavior, cost of production, and price/output decisions in various types of companies and markets. In addition, students will learn how business, government, and labor relate in our Free Enterprise Economy. In Macroeconomics, the course will examine the economics of the public sector, poverty, insurance, and medical costs, the environment, and facets of the world economy. A teacher from Steele High School will teach this course concurrently with a professor from St. Philip's College.

Prerequisite: Senior

Prerequisite: For dual credit, student must complete application and meet testing requirement

Credit: 1/2 unit (plus 3 semester college hours for Dual Credit)

Please see the information about Dual Credit at the end of the Course Description section

AP ECONOMICS (1485)

This course is designed to meet the requirements of a college level course in Economics. The topics covered are the basic concepts of economics, measurement of economic performance, macroeconomic theory and policy and the international economy. This is a rigorous course requiring large amounts of reading, outside class assignments, a strong mathematical background especially in graphs (reading, analyzing, and drawing, calculating results) and intensive writing skills. Registration in this course implies a commitment to hard work and taking the national AP Macroeconomics exam and pay a portion of the exam fee.

Prerequisite: Senior

Credit: 1/2 unit

PSYCHOLOGY (1480)

This course is an introduction to the science of psychology and the findings that have come from psychological research, with an emphasis on how these may be applied to human life. Included are such topics as psychological testing, intelligence, personality, and the stages of human development.

Prerequisite: Sophomore/Junior/Senior

Credit: 1/2 unit

AP PSYCHOLOGY (1481)

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included in a consideration of psychological facts, principals, and phenomena associated with each of the major subfields within psychology. Students should be prepared to experience a reading, writing, and research-intensive course and intend to take the AP exam for college credit. Registration in this course implies a commitment to take the national AP Psychology exam and to pay a portion of the exam fee.

Prerequisite: Junior/Senior

Credit: 1/2 unit

SOCIOLOGY (1482)

This course involves a study of the tools and methods of sociology as well as its content. Special attention is given to the effects of culture and group membership on people's lives. Other concerns are the nature and impact of communication and the dynamics of cultural change.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

VOCATIONAL SOCIAL STUDIES I, II, III

These courses are designed to define the rights, privileges, and responsibilities of students within the context of school, community, and employment settings. Students will become familiar with the basic concepts of both personal responsibility as related to employment and becoming a productive, contributing member of a community, business, and/or organization. Students will also become familiar with employee/employer relationships and labor laws; civic responsibilities; home school and workplace citizenship.

VOCATIONAL GOVERNMENT STUDIES

This course identifies the many purposes for having rules and identifies authority figures in both the community and the workplace. Students will also explore the relationships between business and various levels of government.

VOCATIONAL ECONOMICS

This course will assist students in gaining insight into the basic principles involved in earning, spending and investing money. Personal financial planning and management skills; as well as, consumer awareness, roles, rights and responsibilities will be addressed.

WORLD LANGUAGES

SPANISH I (1421)

A course designed to introduce and familiarize the student with the four basic language skills of listening, speaking, reading and writing that are necessary to begin communicating in the target language. The foundation will be laid by the student understanding and practicing grammatical structures both aurally and orally, while acquiring and utilizing a strong vocabulary in the language. Developing basic speaking and listening patterns are a main concern at this level so that the student acquires understanding in a foreign language. Various aspects of the target culture will be introduced in order to develop the student's appreciation of another culture.

Credit: 1 unit

PRE AP SPANISH I (1425)

This accelerated course gives a firm linguistic foundation for the dedicated student who will eventually take the respective AP exam in his/her senior year, with emphasis to develop receptive (listening, reading) and productive (speaking, writing) skills, as well as gain insight into Hispanic cultures through classroom activities and exercises that emphasize proficiency. Supplementary audiovisual materials enhance the program and reinforce grammatical concepts. Cultural and geographical lessons acquaint students with the diversity of people who speak Spanish. (Text/workbook) Continuing students have assigned reading to complete during the summer before entering pre-AP Spanish II.

Prerequisite: An 85 or higher in English and/or a recommendation from an English or Exploratory teacher.
Credit: 1 unit

SPANISH II (1422)

A course designed to intensify the student's basic language foundation acquired in Level I. Enrichment of vocabulary and development of more complex grammatical structures are concerns at this level. Directing the student's communicative skills to more of a conversational level is a main concern of development. Culture will be discussed and experienced at a more intense level.

Prerequisite: Spanish I
Credit: 1 unit

PRE AP SPANISH II (1426)

This course expands the fluency and spontaneity of the dedicated student who will eventually take the respective AP exam in his/her senior year with emphasis to build upon their receptive and productive skills while emphasizing the five fundamentals: communicating in the target language, comparing different Spanish-speaking cultures to each student's own, making interdisciplinary connections. (Text/workbook) Continuing students have assigned reading to complete during the summer before entering pre-AP Spanish III.

Prerequisite: Pre-AP Spanish I, and teacher recommendation
Summer Reading Requirement: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
Credit: 1 unit

SPANISH III (1423)

A course designed to continue developing the student's four language skills of listening, speaking, reading and writing. Students are expected to achieve and use a conversational level in the target language including fluency and spontaneity. The correct use of grammatical concepts will be stressed during this course. Students will read and analyze short stories to enhance their cultural experience. Most classes will be taught in the target language.

Prerequisite: Spanish II
Credit: 1 unit

PRE-AP SPANISH III (1427)

This course provides the dedicated student who will take the respective AP exam in his/her senior year, with various mediums to expand fluency. Oral proficiency skills continue to be stressed while emphasis upon literature and writing is increased. Readings include articles selected from current periodicals or the Internet, legends, short stories, and some poetry. In the second semester students complete a project with oral and written components about renowned artists or contemporary musicians. Most class activities are conducted in the target language. (Text/workbook) A summer reading assignment is required for entering pre-AP Spanish IV.

Prerequisite: Pre-AP Spanish II and teacher recommendation
Summer reading requirement: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
Credit: 1 unit

SPANISH IV (1424)

A course designed to help the student perfect his/her language skills. The improvement of their conversational skills will be targeted, as well as their pronunciation in the target language. Students will write short essays using correct grammatical concepts. Students will also continue to read and analyze stories to enhance their cultural experience. Classes will be taught exclusively in the target language.

Prerequisite: Spanish III
Credit: 1 unit

AP SPANISH IV (1428)

This course helps the student perfect his/her language skills, in order to take the AP (Language) exam during the spring semester. Oral and cultural proficiency continue to be emphasized as well as the development of finer skills in composition and reading literature. Students read and discuss short stories by a variety of authors as well as study as study poetry by Latin American writers like Pablo Neruda (Chile) and a Peninsular short novel, or vice versa. Class is conducted exclusively in Spanish. With approval of the teacher and additional coursework, students may elect to pursue independent study in preparation for the AP Spanish Language examination in May and/or the Spanish SAT II exam. (Text/workbooks/anthologies) Continuing students have assigned reading to complete during the summer before entering AP Spanish V.

Prerequisite: Pre-AP Spanish III or teacher recommendation
Summer reading requirement: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
Credit: 1 unit

AP SPANISH V (1429)

This course guides the student through the rich literature of the Hispanic world, culminating in the taking of the prestigious AP Literature exam towards the end of the course. Usually a high level of fluency and culture is achieved by the student through this course, as well as a chance to qualify for college credit, depending on the college.

Prerequisite: AP Spanish IV
 Summer reading requirement: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
 Credit: 1 unit

GERMAN I (1411)

A course designed to introduce and familiarize the student with the four basic language skills of listening, speaking, reading and writing that are necessary to begin communicating in the target language. The foundation will be laid by the student understanding and practicing grammatical structures both aurally and orally, while acquiring and utilizing a strong vocabulary in the language. Developing basic speaking and listening patterns are a main concern at this level so that the student acquires understanding in a foreign language. Various aspects of the target culture will be introduced in order to develop the student's appreciation of another culture.

Credit: 1 unit

PRE-AP GERMAN I (1415)

This accelerated course gives a firm linguistic foundation for the dedicated student who will eventually take the AP exam in his/her senior year, with emphasis on speaking, reading, writing and listening, and a basic learning of the culture of the German-speaking people.

Prerequisite: An 85 or higher in English and/or a recommendation from an English or Exploratory teacher.
 Credit: 1 unit

GERMAN II (1412)

A course designed to intensify the student's basic language foundation acquired in Level I. Enrichment of vocabulary and development of more complex grammatical structures are concerns at this level. Directing the student's communicative skills to more of a conversational level is a main concern of development. Culture will be discussed and experienced at a more intense level.

Prerequisite: German I
 Credit: 1 unit

PRE-AP GERMAN II (1416)

This course expands the fluency and spontaneity of the dedicated student, who will eventually take the AP exam in his/her senior year, with emphasis on speaking, reading, writing and listening. The student will also grow in his/her understanding of German-speaking countries.

Prerequisite: Pre-AP German I or teacher recommendation
 Summer reading requirements: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
 Credit: 1 unit

GERMAN III (1413)

A course designed to continue developing the student's four language skills of listening, speaking, reading and writing. Students are expected to achieve and use a conversational level in the target language including fluency and spontaneity. The correct use of grammatical concepts will be stressed during this course. Students will read and analyze short stories to enhance their cultural experience. Most classes will be taught in the target language.

Prerequisite: German II
 Credit: 1 unit

PRE-AP GERMAN III (1417)

This course expands the fluency and spontaneity of the dedicated student, who will eventually take the AP exam in his/her senior year, with various mediums to expand fluency. Such mediums can include, but are not limited to, student tapings, presentations, original compositions and skits, and reading of various articles and short stories. A greater awareness of the culture of the German speaking countries will be expected too.

Prerequisite: Pre-AP German II or teacher recommendation
 Summer reading requirements: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
 Credit: 1 unit

GERMAN IV (1414)

A course designed to help the student perfect his/her language skills. The improvement of their conversational skills will be targeted, as well as their pronunciation in the target language. Students will write short essays using correct grammatical concepts. Students will also continue to read and analyze stories to enhance their cultural experience. Classes will be taught exclusively in the target language.

Prerequisite: German III
 Credit: 1 unit

AP GERMAN IV (1418)

This course helps the student perfect his/her language skills, in order to take the AP exam. The student will develop through some or all of the following activities: reading various short stories and articles, composing a short story, viewing films and continuing study of culture from different sources.

Prerequisite: Pre-AP German III or teacher recommendation
 Summer reading requirements: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
 Credit: 1 unit

FRENCH I (1401)

A course designed to introduce and familiarize the student with the four basic language skills of listening, speaking, reading and writing that are necessary to begin communicating in the target language. The foundation will be laid by the student understanding and practicing grammatical structures both aurally and orally, while acquiring and utilizing a strong vocabulary in the language. Developing basic speaking and listening patterns are a main concern at this level so that the student acquires understanding in a foreign language. Various aspects of the target culture will be introduced in order to develop the student's appreciation of another culture.

Credit: 1 unit

PRE-AP FRENCH I (1405)

This course is designed for the student who has a goal to take the AP French Language exam at the end of their senior year. Its components and focus are the same as the regular level I course, but will be at a faster pace and will incorporate more writing, speaking and aural practice. Students are expected to perform at a higher level throughout the course. Extra assignments and projects should be expected.

Prerequisite: An 85 or higher in English and/or a recommendation from an English or Exploratory teacher.
 Credit: 1 unit

FRENCH II (1402)

A course designed to intensify the student's basic language foundation acquired in Level I. Enrichment of vocabulary and development of more complex grammatical structures are concerns at this level. Directing the student's communicative skills to more of a conversational level is a main concern of development. Culture will be discussed and experienced at a more intense level.

Prerequisite: French I
 Credit: 1 unit

PRE-AP FRENCH II (1406)

This course is designed for the student who has a goal to take the AP French Language exam at the end of their senior year. Like the regular Level II class, the main concerns are to build upon the student's established foundation by enriching the student's vocabulary and by learning and incorporating more complex grammatical structures. Directing and developing the student's communicative skills to more of a mid-novice to high novice level is a primary concern. Activities that mimic those that are given in the AP exam will be utilized during the course. French culture will be discussed and experienced at a more intense level.

Prerequisite: Pre-AP French I or teacher recommendation
Credit: 1 unit

FRENCH III (1403)

A course designed to continue developing the student's four language skills of listening, speaking, reading and writing. Students are expected to achieve and use a conversational level in the target language including fluency and spontaneity. The correct use of grammatical concepts will be stressed during this course. Students will read and analyze short stories to enhance their cultural experience. Most classes will be taught in the target language.

Prerequisite: French II
Credit: 1 unit

PRE-AP FRENCH III (1407)

The foci for this course are to take the student to a new level of proficiency particularly in speaking and listening and to understand nuances of the language. The expectations are for the student to perform orally at a high novice to low intermediate level. Writing skills will continue to be developed along with intensifying the study of higher level grammar that incorporates all verb tenses that will assist greatly in the understanding when reading, writing and speaking. Particular attention will be given to the passé simple, a tense that is used exclusively in novels and stories. Students will begin to read items such as magazine and newspaper articles, as well as short stories. They will discuss and critique them in the target language. Students are briefly introduced to the works and lives of various modern French authors and artists as well as culture in different French-speaking countries.

Prerequisite: Pre-AP French II or teacher recommendation
Summer reading requirements: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
Credit: 1 unit

FRENCH IV (1404)

A course designed to help the student perfect his/her language skills. The improvement of their conversational skills will be targeted, as well as their pronunciation in the target language. Students will write short essays using correct grammatical concepts. Students will also continue to read and analyze stories to enhance their cultural experience. Classes will be taught exclusively in the target language.

Prerequisite: French III
Credit: 1 unit

AP FRENCH IV (1408)

The foci for this course are to prepare the student in all areas of the AP French language exam. The student will be expected to incorporate all the grammar and vocabulary from the previous three years and to make a concentrated effort on developing writing and speaking skills to the level of low to high intermediate. Activities throughout the year will be of the caliber expected of a college freshman. The student will be expected to speak French throughout the class period. All activities will be dedicated to preparing the student for the test. Students will be introduced to different genres of French literature and great French authors.

Prerequisite: Pre-AP French III or teacher recommendation
Summer reading requirements: *Please see the Steele foreign language website for assignment. www.scuc.txed.net/Campuses/Steele/World%20Languages*
Credit: 1 unit

FINE ARTS DEPARTMENT

ART I - DESIGN (Only to fulfill a fine arts credit) (1501)

Art students are introduced to the ELEMENTS and PRINCIPLES OF DESIGN. Complete design notebooks and color notebooks with detailed studies are done. Students are provided with the opportunity to work in the art areas of design, including learning design terminology, perspective concepts, drawing types and techniques, color studies, painting and more. Art HISTORY and APPRECIATION are included as they apply to visual design. Emphasis is placed on general terms in each area studied and students are tested on those as well as problems related to their usage.

Credit: 1 unit

PRE-AP ART I (1516)

This course is designed for the serious art student who intends to take further advanced art classes. This course includes the same objectives as general art I, introduces drawing and color study using the elements and principles of design. Art history is linked with each unit of study. This course will take on a faster pace and require a higher degree of problem solving within each major project. A research workbook (journal/sketchbook), and portfolio are required.

Prerequisite: 7th and/or 8th grade Art credit with an "A" average, teacher recommendation

Credit: 1 unit

ART II DRAWING (1502)

Art II focuses on drawing. The elements and principals of design are applied to a variety of drawing techniques. A variety of media, including pencil, pen-ink, prismacolor, scratchboard, paper-cuts, pastels, conte' crayons, and more are applied to drawing subjects such as still-life, human-life, portraits, wildlife, landscapes, and more. The elements and principles of design are also emphasized through student's critiques of their own work as well as other artworks. Art HISTORY and APPRECIATION are included as they apply.

Prerequisite: Art I - Design and teacher recommendation, a grade of B or better is expected

Credit: 1 unit

PRE-AP ART II (1517)

Art honors II requires research and writing assignments as well as hands-on projects. The first semester is designed to continue a sequential study of drawing, painting and developing a more proficient use of the elements and principles of design within each composition. Students are required to keep a portfolio and research workbook (journal/sketchbook). All students are required to participate in the end of year art show.

Prerequisite: Prior Art experience, Art I, or teacher recommendation. Portfolio review/preliminary drawing demonstrating advanced drawing skills

Credit: 1 unit

ART III COMPREHENSIVE (1503)

Art III concentrates on different drawing and painting techniques using a variety of media both dry and wet, as they apply to the subject. Many drawing techniques and styles are explored using prismacolors, pastels, gouache, pen-ink, watercolors, acrylics, a mixture of these and more. Students are expected to be proficient in the use of elements and principles of design in their own artwork and in critiquing artwork. Art HISTORY and APPRECIATION are emphasized.

Prerequisite: Art II Drawing, approval from art teacher, grade of B or better is expected

Credit: 1 unit

AP ART III (1518)

Required research and writing assignments, as well as hands-on projects with an emphasis on both the college bound student and career-oriented student. The course is designed for the art student who wishes to pursue college-level studies while still in secondary school, and for the student who is seriously interested in the practical experience of art. Students are required to keep a portfolio and research workbook (journal/sketchbook) in either 2-D, Drawing, or 3-D. The course guidelines are based on Advance Placement portfolio requirements. Each student is required to take the corresponding AP exam which is a portfolio assessment. Students will be expected to work approximately 8 hours each week outside of class on their art projects...usually in a chosen area of concentration. All students are required to participate in the end of year art show. Students are encouraged to enter scholarship award shows.

Prerequisite: Pre-AP Art II or Art II, teacher recommendation.
Portfolio review/preliminary drawing demonstrating advanced drawing skills

Credit: 1 unit

ART IV COMPREHENSIVE (1504)

Art IV is for students who plan to make art or an art related subject a career. Students are required to develop a portfolio of original ideas. Painting techniques, drawing techniques, art HISTORY and APPRECIATION, and other areas of art are explored and developed on an individual plan. Students will critique their own work as well as others.

Prerequisite: Art III with a grade of A- or better, and approval of an art teacher

Credit: 1 unit

AP STUDIO ART 4 (1519)

Art Honors IV requires research and writing assignments as well as hands-on projects with an emphasis on both the college bound student and career-oriented student. The course is designed for the art student who wishes to pursue college-level studies while still in secondary school, and for the student who is seriously interested in the practical experience of art. Students are required to keep a portfolio and research workbook (journal/sketchbook) in either 2-D, Drawing, or 3-D. The course guidelines are based on Advanced Placement portfolio requirements. Each student is required to take the corresponding AP exam which is a portfolio assessment.

Prerequisite: AP Art III, teacher recommendation. Portfolio review/preliminary drawing demonstrating advanced drawing skills

Credit: 1 unit

ART HISTORY (1506)

This survey course will study the history of art and architecture from Paleolithic times to present day. Critical thinking skills are developed through art criticism, exploring aesthetics, and understanding art and its importance to various cultures. Primary focus will be on Western European art and architecture with a brief introduction to African, Mexican, Islamic, and Asian art. This course is designed for those students who have an interest in art, humanities, and world history. Anyone considering a career in art, design, or architecture will benefit from this course. Required reading, research, and writing assignments. No studio art background required.

Prerequisite: English II or concurrent enrollment

Credit: 1 unit

AP ART HISTORY (1507)

This course focuses on art through a world history perspective, to examine the what, where and why of many famous works of art and the civilizations in which they developed. This class explores the beginning of art with cave painting to today's contemporary masterpieces through lectures, discussions, publications, films, activities and more. Critical thinking skills are developed through evaluating artwork, making connections to its purpose in art as well as its importance in history. This is a writing intensive course and students are required to write essays, research papers/ projects as well as take the AP Exam.

Prerequisite: Junior/ Senior and be writing proficient. Must submit 2 samples of writing or have an English teacher Recommendation.

Credit: 1 unit

THEATER ARTS I (1521)

This is a survey course which incorporates an introduction to theater, the role of the actor in interpreting dramatic literature, performance theory and techniques, theater production concepts and skills, expressive use of body and voice, and develops an appreciation of theater. Students will also receive an overview of the technical elements and theater history. Students are considered to be part of a UIL governed co-curricular team. These students are subject to certain standards and expectations such as no pass- no play, out of class rehearsals and public performances, and regular and consistent attendance.

Credit: 1 unit

THEATER ARTS II, III, IV, (1522, 1523)

THEATER ARTS IV (1524)

These courses build on the background established in Theater Art I, continuing the study of theatrical history, the cultural contributions of the theater, its plays and its performance/production styles and techniques. Basic components of production are studied and applied through performances in various theatrical modes and styles, children's theater, puppetry, musical theater, radio/television/film, dance, drama, play writing, and directing. Students are considered to be part of a UIL governed co-curricular team. These students are subject to certain standards and expectations such as no pass- no play, out of class rehearsals and public performances, and regular and consistent attendance.

Prerequisite: Teacher approval

Credit: 1 unit each level

THEATER PRODUCTION I, II, (1552, 1553)

This is a performance experience course that provides practical, hands-on experience in acting and stagecraft through the preparation and public performance of plays. This class will fulfill a student's art credit requirement. Students are considered to be part of a UIL governed co-curricular team. These students are subject to certain standards and expectations such as no pass- no play, out of class rehearsals and public performances, and regular and consistent attendance.

Prerequisite: Theater I or Journalism and teacher approval

Credit: 1 unit

TECHNICAL THEATER I, II, III (1525, 1526, 1527)

TECHNICAL THEATER IV (1528)

This course is designed for students who would enjoy behind-the-scenes stage work as much as on-stage performing. It combines theories of design and stagecraft techniques with the instruction and operation of various elements of technical theater, which are scenery construction, stage management, lighting, sound, make-up, publicity and costuming. Students will be actively involved in the actual construction and painting of the sets for school productions as well as running lights, sound, etc. Students are considered to be part of a UIL governed co-curricular team. These students are subject to certain standards and expectations such as no pass- no play, out of class rehearsals and public performances, and regular and consistent attendance.

Prerequisite: Technical Theater II, III, and IV requires teacher approval and Technical Theater I

Credit: 1 unit

BAND (Marching and Symphonic/Concert) I, II, III, (1511 1512, 1513)

BAND (Marching and Symphonic/Concert) IV (1514)

This class is open to students who have been through beginning and intermediate bands, and have mastered the fundamentals of playing their instruments and the basics of marching. The band performs at football games, parades, concerts, UIL marching and concert contests, and TMEA Competition. This organization participates in numerous and varied activities after school, keeping all members very active. Auditions for positions in the band are required, and members should be able to play grade 3 music.

Prerequisite: Completion of beginning and intermediate bands

Credit: 1 unit

APPLIED MUSIC I (1550)

Band students are required to participate in all TMEA and UIL events. They must play a UIL Class 1 solo and ensemble, mentor other music students in our district and provide written documentation for accountability, complete written critiques of two performances the student has attended, and take theory exams. In addition, a research project is required.

Prerequisite: Music director approval required
Credit: 1 unit

COLOR GUARD (BAND) I, II, III (1561, 1562, 1563)**COLOR GUARD (BAND) IV (1564)**

Color Guard is a part of the marching band and performs at all football game half-time shows. Members compete indoors (Winter Guard) during the spring semester. Members are required to attend summer Color Guard and Band Camp. Students acquire fundamental skills in basic dance technique, marching, equipment use such as flags, rifles, and other props for performance, as well as creative expression for performance. The estimated expenses for Color Guard are approximately \$200-250.

Prerequisite: Tryouts
Credit: 1 unit

MUSIC THEORY I (1509)

Students will study extensive music notation, major/minor scale structure, chord structure and major and minor key signatures. Students will also develop aural skills by method of Solfeggio study. This class is designed for the student considering music as a college major. Students must pass a Level I entrance test in March.

Prerequisite: Junior/Senior
Credit: 1 unit

MUSIC THEORY II (1510)

Students will focus on more extensive music theory study. Analytical study of chord structure and compositional techniques will be applied to music from a variety of style periods. Students will practice composition and performance of their own musical pieces. Further study of Solfeggio and melodic one-part and two-part dictation will be practiced daily in the course offering.

Prerequisite: Music Theory I
Credit: 1 unit

CHORAL MUSIC SA I, II, III (1529, 1530, 1531)**CHORAL MUSIC SA IV (1532)**

This chorus is for sopranos and altos interested in improving their vocal talent and developing their sight reading skills. Students must demonstrate the ability to match pitch. This class will focus on beginning music theory, sight-reading by method of solfeggio, and extensive music vocabulary. Attendance at four seasonal concerts is a requirement for credit. Other performance options include All Region auditions, UIL Solo & Ensemble and the UIL Choral Concert and Sight Reading Contest.

Prerequisite: By Audition
Credit: 1 unit

CHORAL MUSIC SATB I, II, III (1533, 1534, 1535)**CHORAL MUSIC SATB IV (1536)**

This auditioned mixed chorus of singers must demonstrate proficiency in vocal sight-reading by solfeggio, rhythmic proficiency, and advance vocal development. Attendance at all four seasonal concerts is a requirement for credit. To maintain membership in Choral, students will participate in All Regions auditions, and UIL Solo & Ensemble competition. Students are expected to maintain passing grades to be eligible for competition. Participation in UIL Concert and Sight-Reading Competition is a requirement for membership. This chorus will be asked to perform often in the community. Singers must be able to attend all extra community activities.

Prerequisite: By Audition
Credit: 1 unit

VOCAL PERFORMANCE I, II, III (1537, 1538, 1539)**VOCAL PERFORMANCE IV (1540)**

Students are required to be a member of the high school performance ensemble. All students must participate in all TMEA and UIL competitions. Students will focus on All Region audition literature, UIL Solo & Ensemble literature, and solo repertoire for college scholarship preparation. This class will continue extensive ear training, sight-reading, and music theory for college entrance examinations.

Prerequisite: By Audition
Credit: 1 unit

ORCHESTRA AND STRINGS (1574)

Course description is pending.

Credit: 1 unit

DANCE I, II (1541, 1542)

This fine arts class is designed to introduce students to basic dance vocabulary through the development of skills and techniques of various dance forms. Creative movements and choreography will be explored. Standard exercise such as running and conditioning exercises will also be performed in these classes. This class may be used for fine arts or PE credit.

Prerequisite: None for Dance 1; Dance 1 required for Dance 2
Credit: 1 unit

DANCE TEAM I, II, III (1631, 1632, 1633)**DANCE TEAM IV (1634)**

The Medallion Dancers class is for students who were selected to the dance team from auditions held in the previous spring semester. Medallion Dancers perform at various athletic events, as well as some community functions throughout the school year, and participate in competition in the spring. The focus of the class is to allow students to acquire fundamental movement skills through a variety of dance techniques and learn creative expression through movement. The class is required for all dance team members. Estimated expenses are approximately \$800.00 for the first year and \$500.00 each subsequent year plus competition and camp/clinic fees.

Prerequisite: Sophomore AND have one full year of Dance Team, Pep Squad or Cheerleading. All others will be reviewed by the Director. Team members are selected by a panel of judges on set tryout dates.

Credit: 1 unit

PEP SQUAD I, II, III & IV (1626, 1627, 1628, 1629)

The Knightlites Pep Squad class is for students who are interested in pursuing the dance program at Steele High School. The Knightlites perform at various athletic events, as well as some community functions throughout the school year, and participate in competition in the spring. The focus of the class is to allow students to acquire basic fundamental movement skills through a variety of dance techniques and learn creative expression through movement. The class is required of all pep-squad members. The estimated expenses are approximately \$500.00 for the first year and \$250.00 each subsequent year plus competition and camp/clinic fees. There will be a mandatory meeting for all students interested in being in the pep-squad on Wednesday, April 23, 2008 at 6:30pm, in the Steele High School student dining center. Please check the Steele dance website for updates and/or changes to this meeting at www.scuc.txed.net/~mweaver. A parent/guardian must be in attendance with the student. Attendance at a summer camp is also required of all pep-squad members. Summer camp is tentatively set for late July or early August, depending on the 2008-2009 school calendar – the dates will be announced at the meeting.

Credit: 1 unit

CAREER & TECHNOLOGY EDUCATION**BUSINESS & MARKETING****KEYBOARDING (1771)**

Keyboarding teaches students to develop correct keyboarding techniques while working for speed and accuracy. Instruction in basic document formatting and touch control keyboard characters will be emphasized. This is a semester course and should be taken prior to taking Business Computer Information Systems I.

Credit: 1/2 unit

ACCOUNTING I (1735)

Accounting teaches bookkeeping/accounting principles, concepts, and, business transactions for a sole proprietorship, a partnership, and a corporation. Opportunities will be provided for processing, formatting, and verifying output data electronically. This course should be taken by students who plan to major in accounting or any area of business in college.

Prerequisite: Sophomore/Junior/Senior
Credit: 1 unit

ACCOUNTING II (1736)

Accounting II students advance their accounting skills and understanding by learning to analyze forms of business organizations, by applying accounting concepts to perform advanced accounting procedures, by applying accounting knowledge when making business decisions, and by researching career opportunities in accounting. Some of the specific tasks that Accounting II students will learn include: applying basic accounting procedures to the different types of business organizations, learning to differentiate between the basic of a cash-basis accounting system, and an accrued-basis accounting system, following and analyzing the fluctuation of specific stocks, and determining the requirements for accounting licensure examinations.

Prerequisite: Accounting I, Junior/Senior
Credit: 1 unit

BCIS- BUSINESS COMPUTER INFORMATION SYSTEMS I (1730)

Business Computer Information Systems I prepares students to apply technology skills to personal/workplace business situations focused on word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, networking, operating systems, power-point, and emerging technologies. Students complete the course with an intermediate skill level in word processing, spreadsheet, and database applications. This course can count for one credit of Technology Applications.

Prerequisite: Keyboarding (or equivalent skill) recommended
Credit: 1 unit

BUSINESS COMPUTER INFORMATION SYSTEMS II (1731)

Develops advanced technology skills to include the Microsoft Office User Specialist (MOUS) Certification. Upon completion of this course, students will be able to test for Word, Excel, Access, and PowerPoint certification. MOUS certification will enhance student's employability in the business world.

Prerequisite: BCIS I and Teacher Recommendation
Credit: 1 unit

MULTIMEDIA GRAPHICS/BUSINESS IMAGE MANAGEMENT AND MULTIMEDIA (1732)

This course teaches proficiencies in designing, importing, and manipulating advanced text, graphic, audio, and video used in presentation management, multimedia productions, publishing systems, and emerging technologies. This course can count for 1 credit of Technology Applications.

Prerequisite: Sophomore/Junior/Senior and BCIS (or equivalent skill level)
Credit: 1 unit

WEB PAGING/TELECOMMUNICATIONS AND NETWORKING (1738)

Telecommunications/Networking provides a basic introduction to operational and technical aspect of network and telecommunications systems. Students explore the uses of network and on-line services. This course can count for one credit of Technology Applications.

Prerequisite: Sophomore/Junior/Senior and BCIS I
Credit: 1 unit

BUSINESS INDEPENDENT STUDY (BIS) (1739)

This is a project-based course to demonstrate advanced application of networking, imaging and business management technologies. Students will assess the needs of their school and community to provide a service, information and/or problem solutions. Based on these assessments, each student will develop a portfolio designed to enhance their knowledge of a business field. This course touches on many aspects of business image management resulting in a much greater appreciation of the importance and impact of multimedia in business and society. Students

may discover career and educational paths they have not previously considered. Enrollment is subject to completion of an application and teacher approval. Those interested must be self-motivated, have a solid computer foundation, and be willing to work outside normal classroom time. Students interested in working on the school broadcast network project should sign up for this class.

Prerequisite: Senior, Computer Science Technology credit, and Instructor's approval
Credit: 1 unit

Business Computer Programming I (1784)

Focuses on structured programming and analytical problem-solving skills; develops advanced programming skills, with emphasis on methodologies, algorithms, and data structures; investigates programming languages and operating systems; analyzes computer systems through programming applications; and examines confidentiality and security of information as well as employment opportunities in various business environments.

This course meets the requirements for one credit of Technology Applications.

Prerequisite: Algebra I and Sophomore level or higher
Credit: 1 unit

Business Computer Programming II (1785)

Focuses on structured programming and analytical problem-solving skills; develops advanced programming skills, with emphasis on methodologies, algorithms, and data structures; investigates programming languages and operating systems; analyzes computer systems through programming applications; and examines confidentiality and security of information as well as employment opportunities in various business environments.

This course meets the requirements for one credit of Technology Applications.

Prerequisite: Junior level or higher and completion of BCP I
Credit: 1 unit

Diversified Career Preparation I (1786)

This course is an instructional arrangement that develops the essential knowledge and skills through a combination of classroom technical instruction and on-the-job training in an approved career and technology-specific training area. Approved training areas include Agriculture, Business Education, Marketing, Family Consumer Science and Health Care Science. CareerSafe OSHA certification will be completed during this course.

Prerequisite: Junior/Senior & maintain employment during school year
Credit: 3 units

ADVERTISING (1777)

This is a hands-on course that focuses on the different concepts and skills of the advertising industry. The course will cover the goals and objectives of advertisements. Students will evaluate different media advertisements to determine whether or not they are effective.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

FASHION MERCHANDISING (1778)

This is a specialized course that focuses on the different trends of the fashion industry. Fashion marketing will be a hands-on course (ex: student will develop displays depicting different fashions). Students taking this course should have a career interest in the fashion industry.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

ENTREPRENEURSHIP (1779)

This course is designed to provide a foundation to plan, design, and start a profitable business venture. Students will develop a plan for a new business.

Credit: 1/2 unit

INTERNATIONAL MARKETING (1780)

A technical course designed for students with an interest in global or multinational marketing. Instruction includes money exchange, political and social influences, and cultural norms. The process of strategic planning for global or multinational marketing is explored.

Credit: 1/2 unit

SPORTS AND ENTERTAINMENT MARKETING (1781)

This is an introductory course which will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans. This course will also delve into the components of promotion plans, sponsorship proposals and the key elements needed in sports marketing plans.

Credit: 1 unit

VOCATIONAL TECHNICAL APPLICATIONS

This course is designed to teach students introductory technology related skills, concepts, and data input strategies as they relate to the workplace.

AGRICULTURE DEPARTMENT

INTRO TO WORLD AGRICULTURAL SCIENCE (1701)

This comprehensive course in agriscience is designed to teach student's leadership skills, personal skills, and fundamentals of agriculture. Emphasis is placed on leadership and communication skills. This course is offered in combination with Applied Agricultural Science.

Credit: 1/2 unit

APPLIED AGRICULTURAL SCIENCE AND TECHNOLOGY (1702)

This comprehensive course in agriscience combines knowledge of animals with plant science and mechanics. Students will also spend some time working on small shop projects. Emphasis is also placed on leadership skills and career awareness. This course is offered in combination with Introduction to Agricultural Science.

Prerequisite: Intro to World Agricultural Science
Credit: 1/2 unit

INTRODUCTION TO HORTICULTURAL SCIENCE (1711)

This exploratory course is designed as an introduction to horticultural sciences with emphasis on technical skills and career opportunities.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

HORTICULTURE PLANT PRODUCTION (1712)

This course is designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

INTRO TO AGRICULTURAL MECHANICS (1703)

This exploratory course is designed to increase skills in tool use, carpentry, electricity, plumbing, masonry, metalworking and welding processes.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

ANIMAL SCIENCE (1705)

This course is designed to develop knowledge and skills pertaining to the nutrition, reproduction, health, and management of domestic animals. This course also includes development of basic surgical skills related to animal health and management.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

ADVANCED ANIMAL SCIENCE (1709)

This technical course is designed to examine the interrelation of human, scientific, and technological dimensions of livestock production. Emphasis will be placed on leadership and career development skills.

Prerequisite: Animal Science and teacher approval
Credit: 1/2 unit

EQUINE SCIENCE (1707)

This technical course is designed to develop knowledge and skills related to the selection, nutrition, reproduction, health, and management of horses. This course also includes career development.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

HOME MAINTENANCE & IMPROVEMENT (1763)

A exploratory course designed to teach skills related to maintaining structures. Skills include electricity, plumbing, masonry, carpentry, and landscaping.

Credit: 1/2 unit

WILDLIFE & RECREATION MANAGEMENT (1708)

A technical course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Hunter safety certification is also taught in this class as well as wildlife identification.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

AGRICULTURAL INDEPENDENT STUDY (1744)

Under the supervision of the instructor, the advanced agricultural student will have the opportunity to complete an agreed upon long-term project in his/her area of interest. This course is by direct agreement and coordination with the agriculture instructor.

Prerequisite: Junior/Senior and Teacher approval
Credit: 1/2 unit

AGRICULTURAL COMMUNICATIONS (1706)

A technical course is designed to improve the student's communication skills. This course will provide knowledge and insight into written, spoken, and visual, communication skills. Emphasis will be placed on leadership and career development skills.

Prerequisite: Junior/Senior and teacher approval
Credit: 1/2 unit

AGRIBUSINESS MANAGEMENT AND MARKETING (1714)

This course is designed as an introduction to agribusiness management in the free enterprise system. Instruction includes a study of economic principles, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

AG STRUCTURE TECHNOLOGY (1762)

A course designed to develop skills in the maintenance, evaluation, design, and building of agricultural structures using approved construction techniques.

Credit: 1/2 unit

PERSONAL SKILLS DEVELOPMENT (1710)

This comprehensive course is designed to develop agricultural leadership, citizenship, and cooperation. Instruction includes such topics as personal development, employee/employer relations, and group and interpersonal communication skills.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

SPECIALTY AG (1767)

This course will emphasize pre-veterinarian skills associated with small animals. Record keeping, integrated systems, career opportunities, and leadership will be included in instruction.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

PLANT & ANIMAL PRODUCTION (1720)

A course designed to provide principles of animal and plant production and the management of soils as related to agriculture.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

FLORAL DESIGN I (1742)

This course is designed to develop skills in the design and arrangement of flowers, foliage, and related plant materials for interior locations.

Prerequisite: Sophomore/ Junior/ Senior
Credit: 1/2 unit

FLORAL DESIGN II (1743)

This course is designed to examine floral design in relation to contemporary designs, business practices, specialty items, creativity, and careers in the floral industry.

Prerequisite: Floral Design I
Credit: 1/2 unit

AG MECHANICS I (1747)

This is a laboratory-oriented course designed to introduce the scientific principles, concepts, and skill development necessary in agricultural mechanics. The course emphasizes soil and water conservation, electrification, concrete and masonry construction, building planning and construction, small engine and agricultural equipment maintenance and repair, and oxyfuel and electric cutting and welding. Instruction will include information on career opportunities, leadership activities, and record keeping practices related to the industry. CareerSafe OSHA certification will be completed during this course.

Prerequisite: Junior/Senior
Credit: 2 units

AG MECHANICS II (1748)

This is a laboratory-oriented course designed to introduce the scientific principles, concepts, and skill development necessary in agricultural mechanics. The course emphasizes soil and water conservation, electrification, concrete and masonry construction, building planning and construction, small engine and agricultural equipment maintenance and repair, and oxyfuel and electric cutting and welding. Instruction will include information on career opportunities, leadership activities, and record keeping practices related to the industry. CareerSafe OSHA certification will be completed during this course.

Prerequisite: Junior/Senior and Ag Mech I
Credit: 2 units

AG METAL FABRICATION (1704)

This technical course is designed to develop skills in metal fabrication processes. Shop projects will be emphasized.

Prerequisite: Sophomore/Junior/Senior and Intro to Agricultural Mechanics
Credit: 1/2 unit

FAMILY CONSUMER SCIENCE**PERSONAL AND FAMILY DEVELOPMENT (1715)**

Personal and Family Development is a hands-on course designed to help students develop knowledge and skills related to personal development management, building strong families, and preparation for adult roles. Other studies include a focus on interpersonal skills, decision-making, promotion of family strengths and well being, developing positive relationships with peers, child development and care, and clothing selection maintenance. Students will need to purchase fabric for the end of semester sewing project. Content will also address nutrition, dietary and food selection and preparation.

Credit: 1 unit

INDIVIDUAL AND FAMILY LIFE (1722)

This course explores aspects of life such as personality development, communication, relationships with family and friends, mate selection, marriage, divorce, family planning, parenthood, handling crisis, aging, and death. Guest speakers from the community speak on these issues to keep the students in touch with the "real world".

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

NUTRITION & FOOD SCIENCE (1716)

This technical and laboratory course concentrates on nutrition, food choices, and food management skills for individuals and the family throughout the lifecycle. Instruction addresses nutrition and food science from the perspective of food habits and wellness, menu planning, special dietary needs, food costs and budgeting, consumer food buying strategies, food safety and sanitation procedures, food labeling, and food handling, storage, and preparation practices. Meal etiquette, career options and techniques for managing multiple family, community, and wage earner roles are part of the content. The impact of technology on food choices, preparation, and nutritional quality is addressed. CareerSafe OSHA certification will be completed during this course.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

FOOD SCIENCE AND TECHNOLOGY (1717)

This laboratory course provides in-depth study of the significance of nutrition in food preparation and meal management. It addresses creative cooking in various areas of appeal including the study of cake decorating, breads, meats, etc. as well as study of foods around the world. Chefs and other well-known local personalities are invited to share and demonstrate their culinary talent and expertise as it relates to opportunities in food and nutrition occupational job alternatives. CareerSafe OSHA certification will be completed during this course.

Prerequisite: Sophomore/Junior/Senior, and Nutrition & Food Science
Credit: 1/2 unit

CHILD DEVELOPMENT (1718)

This technical laboratory course is designed to focus on knowledge and skills related to the development, care, guidance, and protection of children. Instruction addresses the principals and procedures for promoting the physical, emotional, social, and intellectual development of young children including those with special needs. Other topics include child nutrition, the impact of technology on child development and health, public policies affecting children, characteristics of quality childcare, career options related to the care and education of children, and the management of multiple family, community, and family roles.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

INTERIOR DESIGN (1721)

This course covers topics such as housing needs, history of housing, elements and principles of design, planning space and its use, history of furniture and use of fabrics, color, and other materials to illustrate the different design styles. Projects include building a scale model of a primitive home and presentation boards similar to those used by interior designers. Emphasis is placed on visual skills and coordinating various materials used in the field of design.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

APPAREL (1721)

This course places an emphasis on personal development through clothing selection, construction, care, and consumer choices. Areas of study focus on how clothing choices meet individual needs and how knowledge of design can improve personal appearance.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

HOUSING (1755)

This technical laboratory course focuses on the management of family housing needs, housing and the environment, and career preparation. Content includes types of housing, legal and financial aspects of housing, home safety and maintenance, space utilization, factors affecting housing choices, technology applications, and basic housing construction features. Other topics are interior and exterior environmental issues; impact of housing decisions on managing multiple family, community, and career roles; career options; and housing trends for the future.

Prerequisite: Sophomore/Junior/Senior
Credit: 1/2 unit

FOOD PRODUCTION/CULINARY ARTS I (1757)

This course provides occupationally specific training designed to develop knowledge and skills for employment in the area of food production, management, and services. Instruction includes operation and management of food service establishments, marketing strategies, quantity food production skills, food presentation and service techniques, and technology applications in the food service industry. Legal considerations, customer service, career options, food safety, and managing multiple family, community, and career roles are contained in the content. Students are expected to earn a 5 year safety and sanitation ServSafe Certificate by passing the exam. (\$36.00 fee)

Prerequisite: Junior/Senior, and Nutrition & Food Science and Food Science & Technology

Credit: 2 units

FOOD PRODUCTION/CULINARY ARTS II (1758)

This course provides occupationally specific training designed to develop knowledge and skills for employment in the area of food production, management, and services. Instruction includes operation and management of food service establishments, marketing strategies, quantity food production skills, food presentation and service techniques, and technology applications in the food service industry. Legal considerations, customer service, career options, food safety, and managing multiple family, community, and career roles are contained in the content. Students are expected to earn a 5 year safety and sanitation ServSafe Certificate by passing the exam. (\$36.00 fee)

Prerequisite: Junior/Senior and Food Production I

Credit: 2 units

READY, SET, TEACH 1 (1723)

READY, SET, TEACH 2 (1724)

Ready, Set, Teach 1 is a field-based internship which provides students a background knowledge of child and adolescent development principles as well as principles of effective teaching practices. Students in Ready, Set, Teach 1 work under the joint direction and supervision of both a family and consumer sciences teacher and exemplary educators in direct instructional roles with elementary and middle school-age students. Students from the class 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. The students are involved in observations as well as direct student instruction; placement rotations are used to allow students to have experiences in a full range of education career roles, grade levels, subject areas, and ability groups. During the course of each week, students enrolled in Ready, Set, Teach 1 are involved in instruction from the family and consumer sciences teacher as well as involved in supervised field-based observations and applications of principles/practices in the class.

Prerequisite: Junior/Senior and Child Development; for Ready, Set, Teach 2—Ready, Set, Teach 1 is the prerequisite

Credit: 2 units

HEALTH SCIENCE TECHNOLOGY

HEALTH SCIENCE TECHNOLOGY I (1726)

This course is designed to provide an opportunity for understanding the concepts and skills necessary for entering the health care field. Essential elements included in this course are current events in health care, medical terminology, anatomy and physiology, human growth and development, CPR, first aid, basic concepts of illness and wellness, medical communications skills, and interpersonal relationships.

Prerequisite: None

Credit: 1 unit

Note: This course may be used to waive the state required Health credit.

HEALTH SCIENCE TECHNOLOGY II (1727)

This course is designed to help students develop the essential knowledge and skills for entering the health care profession. Health Science Technology II has a strong academic curriculum coupled with an internship. Students will be given the opportunity to rotate through different health care specialties, working with and observing professionals in action. Essential elements included in this course

are legal and ethical responsibilities, promotion of safety, infection control, vital signs, medical terminology, and current events in health care.

Prerequisite: Junior/Senior and Health Science Technology I

Credit: 2 units

Note: This course may be taken in place of P.E.

HEALTH SCIENCE TECHNOLOGY III (1737)

This course is an occupationally specific course designed to provide knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the health care industry. The course may be taught by different methodologies such as a pre-employment laboratory, cooperative education, or clinical internship.

Prerequisite: Junior/Senior and Health Care Science II

Credit: 2 units

MEDICAL TERMINOLOGY (1725)

This course is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. 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.

Prerequisite: Biology

Credit: 1/2 unit

PHARMACOLOGY (1728)

This course provides students with knowledge and skills in the classification and study of pharmacological agents to understand the treatment, care, and restoration of the client's health. Student will explore the practical applications of mathematics related to the disease process, dosage calculations, and interaction in therapeutic care.

Prerequisite: Biology

Credit: 1/2 unit

MENTAL HEALTH (1733)

This course is an introduction to mental health services, careers, history, agencies, current issues, and the difference between functional and dysfunctional behaviors. Students develop an awareness of the factors that affect mental health by exploring traditional and emerging treatment modalities.

Prerequisite: Junior/Senior and Intro to Health Science Technology

Credit: 1/2 unit

GERONTOLOGY (1734)

This course is designed to develop knowledge of the aging process and the physical, psycho-social, and nutritional needs of the elderly. Students will develop skills to provide quality assessment and care for the geriatric client.

Prerequisite: Sophomore/Junior/Senior and Intro to Health Science Technology

Credit: 1/2 unit

PHARMACY CERTIFICATION INDEPENDENT STUDY (1759)

This class is for students who want to complete the Pass Assured Pharmacy Technician Training. Emphasis will be placed on orientation of the basic terms, federal laws, medication reviews, aseptic techniques and pharmacy operations. At the end of this course students will take the Pharmacy Technician Board Exam.

Prerequisite: Junior/Senior, Pharmacology and co-enrollment in Health Science Tech II

Credit: 1/2 unit

TRADE/INDUSTRY AND ENGINEERING TECHNOLOGY

COMPUTER MAINTENANCE TECHNICIAN I (1749)

A pre-employment laboratory course designed to provide job specific training in entry-level employment in the rapidly expanding computer maintenance career field. Includes electricity/electronic theory, computer systems, data-communications, digital electronics, installations, inspections, adjustments, repair, and maintenance, entrepreneurship, safety, leadership training, and career opportunities.

Prerequisite: Sophomore/Junior/Senior

Credit: 2 units

COMPUTER MAINTENANCE TECHNICIAN II (1750)

A pre-employment laboratory course designed to provide job specific training in entry-level employment in the rapidly expanding computer maintenance career field. Includes electricity/electronic theory, computer systems, data-communications, digital electronics, installations, inspections, adjustments, repair, and maintenance, entrepreneurship, safety, leadership training, and career opportunities.

Prerequisite: Junior/Senior and Computer Maintenance I
Credit: 2 units

ENGINEERING GRAPHICS (1760)

This is a beginning, hands-on drafting course in Computer Aided Drafting. Orthographic projection, sectioning, dimensioning, assembling, and 3-D drawings are activities which students will do using computers with the AutoCad drafting program. Free hand sketching and six to eight weeks of manual board drafting are also included in this course.

Prerequisite: Sophomore/Junior/Senior
Credit: 1 unit

ARCHITECTURAL GRAPHICS (1761)

A beginning architectural graphics course which covers residential housing design, architectural style, and construction practices. Activities focus on the development of floor plans, elevations, foundations, plot plans, and presentation drawings. Computerized and conventional equipment will be used to create the drawings.

Prerequisite: Sophomore/Junior/Senior
Credit: 1 unit

TECHNOLOGY APPLICATIONS

DIGITAL GRAPHICS COMMUNICATIONS (1698)

An advanced computer skills course designed for students interested in different techniques of computer software applications, communications and networking components. Students will be able to create, edit and render presentations through the use of animation and digital graphics.

Prerequisite: Junior/Senior
Credit: 1 unit

VIDEO TECHNOLOGY (1699)

This is an advanced computer technology course designed for students who are interested in career in video technology. Students will participate in various roles and jobs of a production crew which include executive producer, producer, director, engineer, scriptwriter, editor, cameraperson, presenters and audio technicians. Hands on development of 2-D and 3-D animation effects will be applied to video presentation.

Prerequisite: Junior/Senior, Multimedia recommended
Credit: 1 unit

COMPUTER SCIENCE I (1682)

This course is an introduction to beginning concepts. This course is not merely an academic exercise, but is training in the core concepts and technologies of computer science and modern programming. The central goal is to teach object-oriented programming, the best programming approach for building software that is robust, reliable, and maintainable. Object-oriented programming is a major advance in computer science. Java is an essential programming language for students, educators technicians, and software designers. This course designs and implements real programs.

Prerequisite: Algebra I
Credit: 1 unit

AP COMPUTER SCIENCE (1683)

Computer Science emphasizes object-oriented programming, methodology with emphasis on problem solving and algorithm development. This course is meant to be the equivalent of a first-semester university course in Computer Science. It also includes the study of data structures and abstraction. The major topics covered are object-oriented program design, and program implementation, program analysis, standard data structures, standard algorithms, and computing in context.

Prerequisite: Computer Science I and Instructor Approval
Credit: 1 unit

LAW AND PROTECTIVE SERVICES

INTRODUCTION TO CRIMINAL JUSTICE (1751)

This course is designed as a study of the history and philosophy of the criminal justice system and its ethical considerations. Crime is defined. Its nature and impact are explored. Instruction includes an overview of the criminal justice system, law enforcement and the court systems, a study of prosecution and defense, trial processes, and corrections and penal systems. Various criminal justice hands-on projects are utilized to illustrate criminal justice tactics.

Credit: 1 unit

FUNDAMENTALS OF CRIMINAL JUSTICE (1752)

A study of the nature of criminal law, its philosophical and historical development with major definitions and concepts. Instruction will include the classifications of crimes with the elements of crimes and penalties using Texas statutes as illustrations.

Prerequisite: Sophomore/Junior/Senior standing and Introduction to Criminal Justice

Credit: 1 unit

LEADERSHIP

PALS-PEER ASSISTANCE LEADERSHIP 1, 2 (1690, 1691)

The PAL program is a peer-helping program in which selected and interested high school students in grades 11 and 12 are trained to work as peer helpers to aid younger students from district middle and elementary schools have a more positive and productive school experience. The in-class training focuses on self-awareness, group dynamics, communication and listening skills, helping strategies, problem solving, decision making, tutoring skills, drug/alcohol abuse prevention, conflict resolution, and knowledge of community resources.

Prerequisite: Junior/Senior; application and interview
Credit: 1 unit (2 periods)

OFFICE AIDE (1670)

In this course, students assist in the various administrative offices of the school. Students perform such assignments as filing, routine clerical work, or duties relevant to a particular office. Students acting as office aids must have excellent attendance and no major disciplinary record. This course may be taken for one or two semesters.

Prerequisite: Senior, counselor recommendation, AND Vice-Principal approval
Credit: local credit

HEALTH AND PE

HEALTH (1600)

This one-semester course can be taken any time but is recommended for freshmen. Emphasis is placed on personal health and safety, health-related concepts and skills that involve interaction between individuals, concepts, and skills that affect the well being of people collectively.

Credit: 1/2 unit

BOYS PHYSICAL EDUCATION 1 (1-A), 2 (2-B), 3, 4 (1621, 1622, 1623, 1624) GIRLS PHYSICAL EDUCATION 1 (1-A), 2 (2-B), 3, 4 (1611, 1612, 1613, 1614)

This course emphasizes motor skill improvement, participation in individual, dual, and team sports; and the development of interest in and skills for lifetime sports. P.E. 1-A has a classroom component in addition to the gym activities. Students will need to provide appropriate P.E. clothes and a towel.

Credit: 1/2 unit

SPORTS MEDICINE (1893)

The purpose of this course is to provide an overview of the measures for the prevention, management, and rehabilitation of athletic related injuries. Students will study basic anatomy as it applies to athletic injuries, protective equipment and bracing to protect the injured area and different theories of evaluation and rehabilitation techniques as they apply to athletic injuries. Problems such as nutrition,

physical examination, wound care; environmental conditions, therapeutic modalities, and athletic training facilities and equipment are discussed.

Prerequisite: Freshman/Sophomore/Junior and teacher approval
Credit: 1 unit

ATHLETIC TEAMS

Students may register for the athletic program in which they are interested. Since athletic team members are selected by try-outs, playing experience is important in addition to skill. Students who do not make the team may be removed from the program after try-outs and placed in a PE class until the end of the grading period. Physicals are required before a student can be allowed to participate or try out.

Track
Soccer
Basketball
Baseball
Golf
Swimming
Football
Volleyball
Softball
Tennis
Cross Country

VOCATIONAL HEALTH

This course will address general health and safety awareness and lifestyle choices as they relate to job performance and employability. Students will also acquire skills necessary to access personal health services in the community as well as health insurance options and costs.

VOCATIONAL RECREATION AND LEISURE I, II

These courses introduce students to the skills necessary to manage free time appropriately in a variety of a home, school, and work environments. Students will explore the availability of recreational opportunities in the community and discover the process for accessing these activities. Recreation and leisure in the home and community; recreation and leisure opportunities as related to the workplace

SUPPORT ACTIVITIES

CHEERLEADING I, II, III, IV (1850, 1851, 1852, 1853)

The cheerleading class is for students who were selected to the cheerleading squads from tryouts. Cheerleaders support athletic events, community functions, and participate in local and/or national competitions. The focus for this class is to strengthen their cheerleading skills. These skills include gymnastics, dance, stunting, jumping, motion technique, community service, leadership, citizenship, sports appreciation, school spirit, and communication skills. In addition, this class will have a strong emphasis on aerobic conditioning, muscular strengthening, and flexibility. Estimated cost for uniforms and camp is approximately \$1,000.00 for each year. Fundraising opportunities will be available to help defer the cost. Cheerleaders are required to be enrolled in cheerleading for the entire year.

Prerequisite: Students must have been selected to squad.
Credit: 1/2 unit per year

AIR FORCE JR ROTC PROGRAM

ROTC I - AEROSPACE SCIENCE I [AS I] AND LEADERSHIP EDUCATION I [LE I] (1811)

AS-I: Is a history course designed to acquaint the student with the historical development of flight and the role of the military in history. Forty percent (2 days) of the available classroom hours are spent studying the development of flight from ancient legends through the Persian Gulf War and beyond. The role of the military throughout the history of the U.S. is identified.*

LE-I: Forty percent (2 days) of classroom hours is dedicated to leadership studies related to the academic subject matter. Students are taught basic life skills, study habits, time management, wear of the uniform, Air Force customs and courtesies, and are introduced to basic drill as related to attitude and discipline.

Wellness: An official part of all four years of the Air Force Junior ROTC program and comprises 20 percent (1 day) of the available classroom time. It is an exercise program designed to motivate JROTC cadets to lead active, healthy lifestyles

beyond program requirements and into their adult lives. The program is focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender. Instructors are free to include other activities cadets enjoy such as team sports in order to keep the Wellness Program fun and motivating. Personal improvement will be rewarded.

Credit: 1 unit (can be used to waive PE requirement)

JROTC II – AEROSPACE SCIENCE II [AS II] AND LEADERSHIP EDUCATION II [LE II] (1812)

AS-II: Is a science course designed to acquaint the students with the aerospace environment, requirements for flight, and principles of navigation. The course begins with a discussion of atmospheres and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on human requirements of flight is a survey course of human physiology. Here the human circulatory system, effects of acceleration and deceleration, and protective equipment are discussed.*

LE-II: Stresses intercommunication skills and cadet corps activities. Written reports and speeches complement academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Wellness: See JROTC I.

Prerequisite: AFJROTC I

Credit: 1 unit (can be used to waive PE requirement)

NOTE: The last two years of the JROTC program are only for selected cadets to fill very demanding leadership positions in the cadet corps. These cadets must be selected by the Senior Aerospace Science Instructor. Their selection is based on outstanding performance in both academic and corps jobs.

JROTC III – AEROSPACE SCIENCE [AS III] AND LEADERSHIP EDUCATION III [LE III] (1813)

AS-III: Is a science course which examines our Earth, the moon and the planets, the latest advances in space technology and continuing challenges of space and manned space flight. This class explains issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes and guidance and control systems. The manned spaceflight section also covers major milestones in the endeavor to land on the moon, safely orbit humans and spacecraft for temporary and prolonged periods in orbit, as well as future developments and international laws governing use and travel in space.*

LE-III: Covers which path to take after high school with information on how to apply for admission to college, begin the job search including properly completing job applications, writing a resume and preparing for the job interview. Additionally, career opportunities in the aerospace industry and Air Force are covered.

Wellness: See JROTC I.

Prerequisite: JROTC II and AFJROTC instructor approval

Credit: 1 unit

*NOTE: The course taught in AS I, AS II and AS III may be taught in any sequence.

JROTC IV - AEROSPACE SCIENCE (AS IV) AND LEADERSHIP EDUCATION IV [LE IV] (1814)

AS-IV: Is the management of the cadet corps. The cadets manage the entire corps during the fourth year. This hands-on experience affords cadets the opportunity to put the theories of the previous leadership courses into practice. All the planning, organizing, directing, controlling, and decision making is done by the cadets. They will also learn about careers in the aerospace industry. Academic course instruction may also emphasize Global and Cultural Studies.

LE-IV: Emphasizes managing others, stress, finances, citizenship, and ethics. Fourth year cadets put these skills into practice by holding key leadership positions in the cadet corps.

Wellness: See JROTC I.

Prerequisite: JROTC III and AFJROTC instructor approval

Credit: 1 unit

SPECIAL EDUCATION

BASIC classes are designed to meet the individual needs of students with disabilities. These needs are written as goals and objectives, and are found in each student's Individualized Education Plan (IEP). Successful completion of coursework is contingent upon mastery of these goals and objectives. Basic classes focus primarily on academics. Social Skills training, however, is integrated into the program as needed. Students are admitted into basic classes only with approval of the ARD committee.

FOCUS facilitators assist students by helping them learn how to practice self control through structured coaching and feedback.

THE OCCUPATIONAL PREPARATION CLASS is designed to teach both Employability skills and Life Skills to students who have cognitive and adaptive deficiencies. The program will address each student's Individualized Education Plan (IEP) as determined by the ARD committee. The goals of the course include preparing each student to transition into the community by providing them the opportunity to obtain functional living skills as well as employability skills. They will also gain an awareness of how to access community services for which they may qualify.

THE ADAPTIVE RESOURCE CLASS is a "life skills" class designed to meet the individual needs of students with disabilities. The program addresses each student's Individual Education Plan as determined by the ARD committee. Skills taught are functional skills developed to help students live as independently as possible after graduation.

THE VOCATIONAL EXPERIENCE CLASS (VAC) is designed to assist students in making a smooth transition from academic pursuits to employment. Students will examine the relationship between what is learned in the classroom and how these skills are applied on the job. Investigations are made in the areas of: job skills and interests; the application and the interview process; job training; employment policies; procedures, rights and responsibilities; positive productive work experiences, work ethic and job attitudes; co-worker, supervisor and customer relationships; safety; decision making; fiscal responsibilities; corrective feedback or criticism; and teammanship and collaboration. Learning to apply personal skills through successful employment will be enforced. Self-discipline is explored in the context of interpersonal skill development and self-awareness. Self-initiative, follow through, and best efforts are skills applied in the process of positive work experience. Credit for VAC to be determined by the ARD committee.

ACADEMIES

THE ALAMO AREA AEROSPACE ACADEMY is a partnership of 16 Bexar County school districts, a number of aerospace industry employers, the Alamo Community College District and the Greater Kelly Development Authority. Students receive technical training in airframe and powerplant mechanics from ACCD instructors during the junior and senior high school years for approximately 15 college credit hours. A paid summer internship at one of the industry partners is included. The training sites are located at San Antonio International Airport and Kelly/USA. Upon graduation students will be prepared for a job in the aerospace industry where they can continue their training for a FAA license, or they may decide to use their college credits toward more education at the college level (transfer of college credit is a decision made by the receiving college/university). Students will earn credit for high school courses in Aerospace Aviation Technology and Aircraft Mechanics.

Prerequisite: Junior; meet Dual Credit testing requirements; application (which also includes teacher/counselor recommendations, parent permissions, student essay) completed by deadlines, and personal interview

Credit: 3 units

THE ALAMO AREA INFORMATION TECHNOLOGY AND SECURITY ACADEMY (1781)

ITSA is a collaborative effort of the San Antonio Technology Accelerator Initiative, this new Center for Infrastructure Assurance and Security, area schools and community. Courses are offered in computer security, PC operating systems and

intro to computer programming and networking. High school juniors who excel could eventually find jobs with the government, including the National Security Agency, the military and even large corporations. See Dual Credit information at the end of the Course Description section.

Prerequisite: Junior, meet Dual Credit testing requirements, application completed by deadline

Credit: 3 units

MANUFACTURING TECHNOLOGY ACADEMY (1797)

Courses are offered in manufacturing in conjunction with ACCD. Student must meet the requirement for dual credit .

Prerequisite: Meet Dual Credit testing requirements and be Junior level.

Credit 2-3 units

DUAL CREDIT INFORMATION

The Dual Credit program is an agreement between SCUC ISD and St. Philip's College that will allow eligible high school students to earn college credit and high school credit for a course. The curriculum content addresses the competencies of the college course as well as the high school skills as required by the Texas Education Agency. The courses are offered during the regular school day and may include a combination of the students taking the course for honors high school credit and other students taking the course for both honors high school credit and college credit.

The purpose of the Dual Credit program is to enable students who meet the requirements to earn college credit while completing high school requirements. A successfully completed Dual Credit course earns the student college credit which may be applied toward an associates degree at St. Philip's College and/or may transfer to other colleges/universities. Students should verify with the college they plan to attend after graduation that the course will apply toward the degree sought, and if applicable, that courses will be accepted for transfer credit.

Dual enrollment is offered in several courses and is made available in partnership with St. Philip's College. All these courses require advanced skills. College level textbooks are used, and daily reading assignments in the text and in supplement readers are the norm. Research papers are required in most courses. Individual class descriptions give further details for each of the offered courses.

In social studies classes, essay writing, knowledge of current events, and skills on articulation are compulsory. A number of projects beyond school hours are assigned that involve attending governmental meetings or presentations to the public.

All students who are doing poorly in dual-credit course will be counseled and may be dropped from the college-level course to avoid future problems related to admissions, financial aid, and scholarships at institutions of higher learning. A student who drops a dual-credit course may continue with the honors course (if available) or a regular course to acquire high school credit.

Universities' acceptance of Dual Credit course:

It must be noted that each college or university reserves the right to:

- (1) accept college credit for transfer credit from another college or university and
- (2) apply them appropriately to a student's transcript. It is the responsibility of the student to seek information from institutions to which he/she desires to enter concerning acceptance of dual credit hours work and their application to a degree in the desired major.

There is no tuition cost to the students who are eligible and enroll in the Dual Credit program. To be eligible for a Dual Credit course a student must:

1. Have a TAKS score of 2200 plus on TAKS
2. Pass the TASP or have an ACT composite score of 23 with at least a 19 in both English and Math subtests, or have an SAT composite score of 1070 with at least 500 on Verbal and 500 on Math or have TAAS score of 1770 on Writing, 86 on Math, and 89 on Reading (Required TAKS scores are not yet available).

**Students who do not meet both 1 and 2 above, must take the TASP (registration booklets are available in the Counseling Office) or Accuplacer which is given at the testing office at St. Philip's College (the cost is about \$20.00).

