



# St. BERNARD

## Course Catalog

### 2010-2011



9100 Falmouth Avenue \* Playa del Rey, 90293 \* 310-823-4651 \* [www.stbernardhs.com](http://www.stbernardhs.com)

## Summary of College Entrance Requirements

### University of California

[www.universityofcalifornia.edu](http://www.universityofcalifornia.edu)

•a minimum of 150 credits in academic or college preparatory (P, HP, or AP) courses, at least 70 must be taken in grades 11 and 12. Students planning to apply to competitive Universities should take more than the minimum requirements.

•Eligibility to UC depends on the grade point average in six subject areas combined with SAT I or ACT scores and two SAT subject tests (any subject). **A grade of "C" or higher is required in (A-G) coursework. "D"/"F" grades in the A-G required courses must be repeated.**

#### A-G requirements

*Social Science* - Two years required. Must include (a) one year of U.S. History or one semester of U.S. History and one semester of U.S. Government and (b) one year of World History & Cultures  
*English* - Four years required.

*Mathematics* - Three years required, four recommended. Must include Algebra I, Geometry, and Algebra II.

*Lab Science* - Two years required, three recommended. Must include at least two of Biology, Chemistry, or Physics.

*Foreign Lang.* - Two years same language required, three recommended.

*Visual/Performing Arts (VPA)* - Must take a Full-year course.

### California State University

[www.csumonitor.com](http://www.csumonitor.com)

High School Subject Requirements: Students must have a grade of "C" in (A-G) coursework.

*English*: 4 Years

*Math*: Algebra I, Geometry, Algebra 2

*History*: U.S. History

*Foreign Lang*: 2 years same Language

*Science*: 2 years Science (at least one year from "d" and one from "g")

*Visual/Performing Arts*: 1 Year

30 units of college prep electives.

### Independent Colleges

A strong academic preparation, comparable to that for the University of California should be followed. Each independent school sets its own admissions policies. Students should check college catalogs for details.

### Community Colleges

To be eligible for admission, a student must be at least 18 years old or a high school graduate.

### SBHS Graduation Requirements

Note – With the exception of Computer Studies, Fine Arts, Health and PE, all graduation requirements must be taken at St. Bernard during the school year or at SBHS Summer School.

Area	Credits	Credits
Religious Studies	4	40
Religious Studies is taken every semester		
English	4	40
Foreign Language	2	20
2 years of the same language. UC recommends 3 – 4 years.		
Mathematics	3	30
Must include college prep Algebra I and Geometry or higher. UC recommends 4 years of math.		
History & Social Studies	3	30
World History (10), US History (11), Gov't & Econ (12) or Honors/AP		
Science	2	20
10 credits Lab Biology, 10 credits Phys. Science/Lab Chemistry.		
PE and Health	1	10
5 Coed PE/Health, 5 PE elective or co-curricular athletics.		
Fine Arts (VPA)	1	10
Full-year course in Art, Music, Theatre or Dance		
Computer Applications	.5	5
Electives		35
*For UC/CSU, electives must include 10 credits from the A-G list		
TOTAL REQUIRED		240

### College Preparatory Courses (P)

Courses approved by the University of California (a-g list) as College Preparatory are denoted with a (P). St. Bernard instructors follow the UC guidelines for college prep content and structure of these courses. Students must be prepared for the level of work required

### Advanced Placement Courses (AP)

AP courses are equivalent to a college-level course in the subject. AP classes require the student be willing and able to spend a significant amount of outside time on the material and in preparing for AP Exams --a national exam taken in May is required for all AP classes. College credit can be earned for successful marks on the AP Exam.

### Honors Courses (HP)

These classes are demanding and require of students additional commitment, focus and effort in order to be successful. The standards and expectations are set high and intended to provide students with a challenging experience. Students must be self motivated and prepared for the level of work. Students must sign the Commitment Contract.

# English

English Department ii - 1

Visual/Performing Arts Department 1-2

Foreign Language Department 2-3

Mathematics Department 3-4

Physical Education Department 4

Religious Studies Department 4-5

Science Department 5-6

History & Social Studies Department 6-7

## NOTES:

All classes are subject to minimum and maximum enrollments. The school reserves the right to cancel any class due to staffing issues or low enrollments.

Faculty teaching assignments change annually and are based primarily on student course requests. Students must select courses they wish to take – NOT for or against a specific teacher or time.

Course requests and the master schedule are finalized in July, after which selections cannot be changed. "First Choice" classes and changes for teacher or period preference will NOT be made.

Schedule changes are not made after the student schedules are finalized in July unless an error has been made by the school.

**E201FHP Honors English I (HP)** **Year** **9**

**Minimum Prerequisite:** Commitment Contract; B in current English Class, Teacher recommendation required. **Strongly Recommended:** "Above average" ranking on Entrance Exam or other standardized test, A in English.

**Summer homework is required.** This course is designed for high achieving and highly motivated students and includes study in oral presentation, essay writing, short story, novels, poetry and drama. Through close reading and analysis, the skills of interpretation and criticism are developed. Students must be prepared for the level of work.

**E202FP Composition (P)** **Year** **9**

**Minimum Prerequisite:** None  
This course will develop a fundamental mastery of the grammar, spelling, and vocabulary skills necessary for effective writing. Students will synthesize literary concepts and terms, enabling them to articulate their understanding of key genres of diverse literature read in class. Additional emphasis is placed on the critical analysis of short stories, novels, plays, note-taking and study skills, and timed-test preparation.

**E203FHP Honors English II (HP)** **Year** **10**

**Minimum Prerequisite:** Commitment Contract and C+ in previous Honors English or B+ in previous College Prep English class and teacher recommendation.

**Strongly Recommended:** 3.5 GPA; B in Hon. Eng. I or A- in previous English Class

**Summer homework is required.** This course is designed for advanced and highly motivated sophomores. Literature from classical to contemporary eras are discussed as evidence of the unity underlying the diversity of world cultures. Frequent reading, writing assignments and a research paper are required. Students must be prepared for the level of work.

**E209FP World Literature (P)** **Year** **10**

**Minimum Prerequisite:** None  
This course is designed to explore the literature, from classical to contemporary, of various world cultures. Literature will be discussed as evidence of the unity underlying the diversity of world cultures. The class will include frequent reading and writing assignments and a research paper.

**E204FHP Honors English III (HP)** **Year** **11**

**Minimum Prerequisite:** Commitment Contract, a C+ in previous Honors English or an "B+" in previous College Prep English class, and teacher recommendation.

**Strongly Recommended:** 3.5 GPA; B in Hon. Eng. II or A- in previous English Class.

Summer homework is required. This course is designed for advanced and highly motivated juniors. Literature of the great American masters from the pre-colonial to the modern eras are examined. There is a focus on literary analysis and criticism as well as expository writing. Frequent reading, writing assignments and a research paper are required. Students must be prepared for the level of work.

**E206FHP A.P. English Language (AP)** **Year** **11 - 12**

**Minimum Prerequisite:** Commitment Contract and B in previous Honors English or A in previous English class and teacher recommendation. **Students must take the AP Exam.**

**AP Exam Fee required.**  
**Strongly Recommended:** 3.5 GPA

**Summer homework is required.** This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. Interpretive and analytical skills will be developed by in depth exploration of the great works of American writers. Writing skills will be

developed through frequent writing assignments, including a formal research paper. Outside class study sessions required. Students must be prepared for the level of work.

**E207FP Am. Lit. /Res./Writing (P) Year 11**

**Minimum Prerequisites:** None  
This course provides a broad survey of classical American literature. Students also receive instruction and practice in grammar and the skills necessary for planning, researching and writing research and critical papers.

**E208FHP A.P. English Lit.(AP) Year 12**

**Minimum Prerequisites:** Commitment Contract. C+ in previous AP English or 3 on AP Exam; B in Hon. Eng. III; A in Am. Lit./Eng. 11 with teacher recommendation. **Students must take the AP Exam. AP Exam Fee required.**  
**Strongly Recommended:** 3.5 GPA; B in AP Eng. Language or A in Hon. Eng. III.

**Summer homework is required.** This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. Topics include a detailed analysis of British literature and challenging examples of literary genres ranging from the classical to the contemporary. Extensive critical writing and class discussions are important elements of the course. Outside class study sessions required. Students must be prepared for the level of work.

**E217FP British Lit. / Sr. Comp. (P) Year 12**

**Minimum Prerequisites: None**  
This course provides a broad survey of British literature from the Anglo-Saxon to the contemporary periods. To ease the transition from high school to college, this course is taught using a college style syllabus of assignments. Students also receive instruction and practice in college-level writing.

## ENGLISH ELECTIVES

**Do not fulfill English graduation requirements.**

**E210P Creative Writing (P) Semester 11-12**

**Minimum Prerequisites:** None  
UC elective. This course is designed to give the student instruction and practice in the craft of writing essays, fiction, and poetry. Principles of writing as a process and modeled writing are stressed, along with grammar, spelling and punctuation. Students must be prepared for the level of work.

**E211SP Shakespeare/Performance(P)Semester 11-12**

**Minimum Prerequisites:** None  
**UC elective.** This course studies the relationship between the printed page and performance. Students study selected plays of Shakespeare and their interpretation on the stage and in film and television to study the insight, creativity, and expertise needed to interpret and perform Shakespeare. Students must be prepared for the work.

**E216P Film as Literature (P) Semester 11-12**

**Minimum Prerequisites:** None  
**UC elective.** In this course, students will study film both as an art and as a form of communication. Students will be taught to read a film, analyzing its structure, genre, subtext, and artistic features and will be given the opportunity to become active and critical viewers of film. Students must be prepared for the level of work.

**E200F Academic Success Class Semester 9**

**Minimum Prerequisites:** None. Placement by administration based on summer school, HSPT and previous grades.  
This one semester course provides students with additional resources in writing instruction, critical reading, reinforcement of study skills, time management techniques, subject-specific tutoring and motivational activities.

# Fine Arts

## VISUAL ARTS COURSEWORK

**FA316FP Intro to Art/History (P-VPA)Year 9-12**

**Minimum Prerequisites:** None  
This course is designed to give the first year student experience in using various media in visual arts, as well as to examine and analyze major artists and art works, and important periods and movements in art history. Students will use drawing, painting and ceramics as tools for creative expression. In addition, students will be expected to critically assess their work, the work of their peers and the work of major artists – both contemporary and classical. Written testing will be required.

**FA301 Drawing & Painting I (P-VPA) Semester 10-12**

**Minimum Prerequisites:** C in Intro. to Art or the permission of the instructor.  
This course is designed to provide develop the student's skills in Drawing and Painting through the use of a variety of artistic media. Major artists whose work helps to facilitate an understanding of the principles of media and technique are highlighted. Students will be expected to critically respond to the various topics explored.

**FA302 Drawing & Painting II (P-VPA) Semester 11-12**

**Minimum Prerequisites:** B- in Drawing and Painting I or Instructor permission  
This course is designed to increase the student's drawing and painting skills. Students will be exposed to a variety of drawing and painting techniques as they learn to develop their own expressive style. Media will include pencil, charcoal, ink, pastels, acrylics and tempera. In addition, the course will include the thoughtful use of the elements of art, critical analysis, and the expressive response to art.

**FA306P A.P. Portfolio: Drawing (AP-VPA) Year 12**

**Minimum Prerequisites: Instructor Approval. Commitment Contract required.** A.P. Exam fee required.  
This course is designed for highly motivated students with a great deal of interest and talent in visual art. Students will develop their technical artistic skills as they become familiar with the functions of visual art. Students will choose between completing a Drawing Portfolio or a 2-D Design Portfolio of 20-25 finished pieces to be submitted to the AP College Board. Students must submit a portfolio to the AP College Board to receive AP credit for the full year.

**FA307P Humanities and the Arts (P) Year 11-12**

**Minimum Prerequisites:** None  
This course is follows the California State standards for Fine Arts and offers a detailed look at Art History in the areas of painting, sculpture and architecture. Students will evaluate and respond to Art on an aesthetic level, as therapy and artifact, as well as a political and social commentary of the time. The course provides the needed background for a college art history or Introduction to Humanities course. Extensive reading is required. UC elective/Visual and Performing Arts. Students must be prepared for the level of work. critical analysis, and the expressive response to art.

## MUSIC COURSEWORK

**FA309 Instrumental Music (P-VPA) Year 9-12**

**Minimum Prerequisites: None:**  
In this course students will discover the world of music through hands-on experience with a concert band/orchestra instrument. It introduces students to the aspects involved in instrumental band performance and provides each student with a broad base of musicianship skills. Students will learn to perform both individually on their instrument and within an ensemble/band

setting. Students are required to participate in all performances. Instruments being offered include, but are not limited to: flute, clarinet, saxophone, trumpet, trombone, piano, guitar, bass, drums and percussion. Some instruments are available. Students with a preference for an instrument should either purchase or rent.

**FA310F Viking Band (P-VPA) Year 9-12**

**Minimum Prerequisites:** Instructor Approval  
This course meets during zero period at 7:15 AM daily as a seventh course. Students must be present. This course studies the standard and contemporary band literature with the intent to develop the individual's technical and artistic abilities. Public performances are presented and home practice is required. Students can take the course multiple times, but can only earn a total of 10 credits toward graduation.

**FA319 Choir Performance (P-VPA) Year 9-12**

**Minimum Prerequisites:** Instructor Approval  
This course meets during zero period at 7:15 AM daily as a seventh course. Students will learn the elements of singing with a choir, singing choral parts and develop their vocal music skills through the genre of Gospel and other religious music. Students can take the course multiple times, but can only earn a total of 10 credits toward graduation.

**THEATRE ARTS COURSEWORK**

**FA318 Theatre Arts I (P-VPA) Year 9-12**

**Minimum Prerequisites:** None  
This course is designed to cover basic acting theory and characterization, acting exercises, and performances in monologues, scenes, pantomime, and interpretation to develop skill levels and enhance ability. Attendance at outside theater events is required. VPA approved.

**FA308 Theater Arts II (P-VPA) Semester 10-12**

**Minimum Prerequisites:** C in Th. Arts I or instructor approval.  
This course is designed for advanced theatre students as an intensive acting workshop. In this performance based class, students will experiment with monologues, contemporary scene study, classical works and improvisation. Students will also be exposed to acting exercises, costuming, lighting, and set design projects. The art of direction and stage composition will be addressed. Students will have the opportunity to perform, design, and direct in a variety of genres.

**FA320 TV/Video Production (P) Year 10-12**

**Minimum Prerequisites:** "C" in previous English Class.  
This course is designed to introduce students to the aspects of television and video production. Students learn the creative and the technical aspects of video production, as well as the history and development of television and film and its impact on society. Students will be involved in the production of a live morning school news program and make instructional videos, commercials and movie shorts. UC college-prep elective.

**DANCE COURSEWORK**

**FAPE615 Dance I: Fundamentals Year 9-12**

**Minimum Prerequisites:** None  
This course is designed to give a solid foundation in the appreciation, performance and historical significance of a variety of dance styles, including jazz, ballet, modern, hip hop, and musical theater performance. Students will explore, critique, and experience dance forms while observing and discussing their impact on contemporary culture and the development of the arts. Written testing, daily participation and gym clothes are required. (P-VPA)

**FAPE618 Dance II: Techniques (P-VPA) Semester 10-12**

**Minimum Prerequisites:** Dance I: Fundamentals  
This course serves as the continuation of the Dance I course,

focusing and expanding on Dance concepts and techniques, as well as study the history and major achievements in Dance. In addition, they will continue to explore various Dance styles as they learn to appreciate, create and critique a variety of dance forms.

**FAPE616 Inter/Adv. Dance Performance After School**

**Minimum Prerequisites:** Instructor permission and audition. 7th period course.  
This performance based course gives the student a solid foundation in the understanding, appreciation and performance of styles of dance including, jazz, ballet, modern, hip hop and musical theatre performance. It serves as a lab for the creation and preparation of advanced dance routines to be performed at various school functions. Students can take the course multiple times, but can only earn a total of 10 credits toward graduation for Dance Performance. Advanced Dance is VPA approved.

**DIGITAL MEDIA COURSEWORK**

**FA320 TV/Video Production (P) Year 10-12**

**Minimum Prerequisites:** "C" in previous English Class.  
This course is designed to introduce students to the aspects of television and video production. Students will be involved in the news gathering, technical and pre-production aspects of VNN (Viking News Network). Students may be required to attend events outside of the school day. Class size is limited as determined by the administration. UC college-prep elective.

**FA321 TV/Video Production II (P) Year 10-12**

**Minimum Prerequisites:** "C" in previous English Class.  
This course is designed for students who will write and produce the daily Viking News Network (VNN) News. Students may be required to attend events outside of the school day. Class size is limited and students must complete a screen test to be eligible on-air talent.

**FA322 Contemporary Digital Media (P) Year 10-12**

**Minimum Prerequisites:** Previous TV/Video Production class or Instructor permission  
Contemporary Digital Media is an advanced media course for students who have taken TV AND VIDEO PRODUCTION. Students will learn the history of filmmaking and the technological advances that have come about in the art form. Students will learn to storyboard, direct, tape and edit their personal ideas to create finished films. Students will study the impact of digital media i.e. YouTube, film and television on society from a social, economic and political viewpoint. Historical and cultural ramifications of digital video in film will be addressed. Students will be challenged with advanced projects and higher-level explorations. .

**Foreign Languages**

**FL403FP French III (P) Year 11-12**

**Minimum Prerequisites:** Commitment Contract required.  
**Strongly Recommended:** B in French II. *Course is conducted in French.*  
This course focuses on a review of basic grammar, the study of progressive and perfect tenses, and the format and use of the subjunctive mood. Reading, writing and listening skills are developed through a study of selected works of French literature and culture.

**FL404FHP AP French Lang. (AP) Year 12**

**Minimum Prerequisites:** Commitment Contract; C+ in French III; Ability to attend a course conducted in French and instructor permission. **Students must take the AP Exam. AP Exam Fee required.**  
**Strongly Recommended:** B in French III.  
Summer homework is required. *Course is conducted in French.*

This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. The course presents a review of all elements of French, as it develops vocabulary and style through literature, composition and conversation. Students build oral and written proficiency, and prepare for the A.P. exam.

**FL405FP Spanish I (P) Year 9-11**

**Minimum Prerequisites:** None

This course covers introductory grammar, including present and past tenses and vocabulary. Oral comprehension, speech, and listening skills will be stressed. Students will begin reading and writing activities.

**FL409FP Spanish II (P) Year 9-12**

**Minimum Prerequisites:** 9th Graders - B or better in full-year Spanish I course or department assessment and Commitment Contract required. Students with a "D" in Spanish I should take a review course prior to taking Spanish II.

This course stresses vocabulary skills, grammar, speech, oral comprehension, and the past and future tenses of Spanish. Reading and writing skills are developed.

**FL410FP Spanish III (P) Year 10-12**

**Minimum Prerequisites:** *This course is conducted in entirety in Spanish.* Students must be prepared for the level of work. Commitment Contract required. C in Spanish II. **Strongly Recommended:** B in Spanish II.

This course is a general review of basic grammar, the study of progressive and perfect tenses, and the format and use of the subjunctive mood. Reading, writing and listening skills are developed through a study of selected works of Spanish literature and culture.

**FL411FHP AP Spanish Language (AP) Year 11-12**

**Minimum Prerequisites:** *This course is conducted in entirety in Spanish.* Students must be prepared for the level of work. Commitment Contract required; B- in previous Spanish course; instructor recommendation. Students must take the AP Exam. AP Exam Fee required.

**Strongly Recommended:** B+ in Spanish III

Summer homework is required. This college-equivalent course is for the advanced and highly-motivated student and follows the curricula defined by the College Board. It is designed to build oral and written proficiency, present Spanish Literature and prepare students for the A.P. Spanish Language exam. Students must listen, speak, read and write in Spanish.

**FL415FP Chinese I (P) Year 9-12**

**Minimum Prerequisites:** None

Chinese I is designed to provide a frame-work for beginning learners of Mandarin Chinese. Focusing on all four language skills (listening, speaking, reading and writing), it consists of learning the language for tasks that approximate daily life situations. These include becoming acquainted, using transportation, contextual language in home, school and public places, and practical readings of texts such as street signs and menus. Students will also learn to communicate in simple fashion by writing Chinese characters.

**FL416FP Chinese II (P) Year 9-12**

**Minimum Prerequisites:** None

In this second course of Elementary Mandarin Chinese, students will continue to build their skills in listening, speaking, reading and writing in a communicative context. Daily life topics such as date, time, routine, visiting friends, shopping, eating out, weather and clothing will continue to be the focus of this course. Grammatical accuracy and cultural awareness will be emphasized throughout. This course prepares students to proceed to the Intermediate Level of Mandarin Chinese.

# Mathematics

## ELIGIBILITY FOR MATH COURSES

1. Placement in 9th grade is based on Entrance Exam Scores, 7/8th grade math grades and teacher recommendations. Students taking Algebra I prior to 9th grade must have an official transcript showing a full-year course in Algebra I with a "B" or better to take Geometry.

2. Only students earning a grade of "C" in the first semester of math may sign-up for the next level. Students below a "C" must either improve their grade for the second semester or attend summer school before advancing.

3. Students with a "D" in math should repeat the semester in summer school. If the course is offered at St. Bernard, the student must attend St. Bernard. Credit will also be given for approved classes taken at a community college or other Catholic high school.

4. Students who have a grade of "F" must take the summer school course at St. Bernard or at a Community College.

5. Students wishing to take the entire year course during the summer may ONLY do so at a community college.

**M503F Intro. to Algebra I Summer 9**

**Minimum Prerequisites:** Placement by scores on Entrance Exam, previous math grades and teacher recommendation. This summer course is designed to reinforce basic math skills in preparation for Algebra I. It introduces students to methods of problem solving and elementary forms of algebra. The grade earned in this SS class determines placement for the fall semester.

**M504F Algebra I (0/A/B) (P) – 3 Semesters**

**M502FP Algebra I (P) Year + SS 2011 Required 9**

**Prerequisite:** "D+" or below in summer Intro to Algebra. Must attend Summer school, 2010 to complete the class.

This is a three-semester Algebra I course designed for students who require a slower pace to complete the curricular demands of college prep Algebra I. Over three semesters, students will complete the same content and assessments as those taking the course using the traditional two-semester format. Students must take all three semesters (fall, spring and summer school) in order to complete the course and meet the graduation and college entrance requirements for Algebra I. For UC/CSU admissions requirements, credit will be granted for only one year (two semesters) of work.

**M502FP Algebra I (P) Year 9**

**Minimum Prerequisites:** Placement determined by Entrance Exam scores, 8th grade math course and grades and, teacher recommendation.

This course introduces students to the study of the set of real numbers, operations that can be performed on the set, and the use of algebra in problem solving. The student's algebra skills will be developed through practice, problem solving, and real life applications.

**M506FP Geometry (P) Year 9-10**

**Minimum Prerequisites:** 9th Graders: Commitment Contract. "B" in full-year Algebra I course and recommendation of 8th grade teacher required.

This course is designed to help the student understand the nature of a mathematical system, to appreciate the basic structure of Euclidean Geometry, and to help the student understand the methods of coordinate geometry. Primary topics include vocabulary, postulates, theorems, proofs, and a review of Algebra concepts.

**M505FHP Honors Geometry (HP) Year 9-10**

**Minimum Prerequisites:** Commitment Contract. "B" in full-year Algebra I course, and teacher recommendation.

**Strongly Recommended:** "Above Average" on Entrance Exam and "A" in Algebra I.

Summer homework is required. This honors course is designed for the high ability math student. It is intended to help the student better understand the nature of a mathematical system and to develop an in-depth appreciation of the basic structure of geometry. Students must be prepared for the level of work. Students must maintain a "C" at the semester to stay in the Honors program.

**M513F Algebra II (0/A/B) – 3 Semesters**

**M502FP Algebra II (P) Year + SS 2010 Required 10-12**

**Prerequisite:** "D+" or below in Algebra I and Geometry. Must attend Summer school, 2010 to complete the class.

This is a three-semester Algebra II course designed for students who require a slower pace to complete the curricular demands of college prep Algebra II. Over three semesters, students will complete the same content and assessments as those taking the course using the traditional two-semester format. Students must take all three semesters (fall, spring and summer school) in order to complete the course and meet the graduation and college entrance requirements for Algebra II. For UC/CSU admissions requirements, credit will be granted for only one year (two semesters) of work.

**M509FP Algebra II (P) Year 10-12**

**Minimum Prerequisites:** C or better in both Algebra I and Geometry.

**Strongly Recommended:** B- in both courses.

This course is designed for students with a solid understanding of elementary Algebra skills. Major topics include rational expressions, polynomial functions, linear operations, algebraic expressions and an introduction to trigonometry. Calculator with trigonometric functions is required.

**M508FHP Hon. Algebra II/Trig. (HP)Year 10-11**

**Minimum Prerequisites:** Commitment Contract required. C+ in Hon. Geometry or B in Geometry and B in Algebra I and teacher recommendation.

**Strongly recommended:** B in previous Honors math courses or A in previous math courses.

Summer homework is required. This course is designed for high ability mathematics students. It covers the Algebra II course at a quicker pace and in greater depth than standard Algebra II and includes the study of Trigonometry and its applications. Students must be well prepared for the accelerated pace of work. Calculator with trig functions is required. Students must be prepared for the level of work.

**M512FP Trig./Pre-Calculus (P) Year 11-12**

**Minimum Prerequisites:** Commitment Contract required, C+ (B strongly recommended) in Algebra II.

This course is designed to provide an in depth study of the basic components of trigonometry, as well as introduce the fundamentals of beginning pre-calculus. It is intended to deepen the student's understanding of applications and uses of high level mathematics and to integrate the skills of algebra, geometry, trigonometry, and pre-calculus. A calculator with trigonometric functions is required. Students must be prepared for the level of work.

**M511FHP Hon. Math Analy./Calculus (HP) Year 11-12**

**Minimum Prerequisites:** Commitment Contract Required. C+ (B strongly recommended) in Hon. Alg. II/Trig. or B in Trig./Pre-Calculus and teacher recommendation.

Summer homework is required. This course is designed to prepare those who intend to continue their study of math beyond high school with a solid foundation for entry into college level Calculus. It covers the fundamentals of Calculus, and emphasizes logical, sequential, and theoretical thought. A calculator with trig functions is required. This is an Honors math course and college prep elective. Students must be prepared for the level of work.

**M510FHP A.P. Calculus (AP) Year 12**

**Minimum Prerequisites:** Commitment Contract Required. C+ (B strongly recommended) in Hon. Math Analysis Students must take the AP Exam. AP Exam Fee.

Summer homework is required. This challenging, college equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. It is intended for highly motivated, analytical students with a thorough knowledge of mathematics: algebra, axiomatic and analytic geometry, trigonometry, and elementary functions. It is an intuitive study of Calculus I methods and applications. Calculator with trig functions is required. Students must be well prepared for the difficulty and level of work.

## Physical Education

**PE601 Health/Coed PE. Semester 9-12**

**Minimum Prerequisites:** None

•Health: Topics Choosing Wellness, Managing Stress, Human Life Cycle, Drug and Alcohol Awareness and Abuse, and Safety and First Aid. According to the California Education Code, parents must give written permission for the student to study the Human Life Cycle Unit. Topics are presented in a values-oriented manner.

•Coed Phys. Educ.: Emphasis is on lifetime activities, techniques and physical fitness. Units include basketball, football, soccer, volleyball, badminton, tennis and track. Written assignments are required. SBHS PE clothes required: Blue/gold reversible shirt and royal blue shorts.

**PE613 Coed PE/Fitness Semester 9-12**

**Prerequisite: None**

This course presents advanced skills and introduces new sports and physical activities. Lifelong fitness, Health Fitness and the Presidential Physical Fitness Program are stressed. Written assignments are required. PE clothes required: Blue/gold reversible shirt and royal blue shorts.

**PE611F Team Sport Conditioning - Period 6 9-12**

**Minimum Prerequisites:** Permission from coach.

This course is for athletes who participate in any of the school's interscholastic athletic teams. Topics include: weight training, conditioning, interval training and sport-specific skills. SBHS PE clothes required: Blue/gold reversible shirt and shorts.

**PE609S Coed Weight Train/Fitness Semester 10-12**

**Minimum Prerequisites:** None

This elective course is an introduction to the fundamental skills of weight training. Skill progression, conditioning, individual fitness development and safety are emphasized. Information on nutrition, cardiovascular, and knowledge of effective methods of maintaining proper body weight for a lifetime is included. SBHS PE clothes required: Blue/gold reversible shirt and royal blue shorts.

## Religious Studies

**R711F Catholic Christianity Semester 1 9**

**Minimum Prerequisites:** None

This course provides a foundational understanding of Catholicism introducing themes designed to help students mature in their faith. Topics are based on the four pillars of the Catechism of the Catholic Church (creed, liturgy, morality and prayer), using the structure of the Apostle's Creed and the Nicene Creed and include the nature of revelation, sacraments, dogma, and moral and social issues.

**R711S Hebrew Scriptures Semester 2 9****Minimum Prerequisites:** None

This course will provide students with the basic skills that they need to use and understand the bible. Topics will include the history of the people of Israel, types of literature found in the Old Testament, and major Hebrew Scripture themes that enrich our Christian faith.

**R709 Christology Semester 1 10****Minimum Prerequisites:** None

This course examines the historical and religious background of Jesus and his ministry. It includes an overview of understanding Christian scriptures, specifically the Gospels.

**R703 Ethics/Morality Semester 2 10****Minimum Prerequisites:** None

This course introduces students to the major philosophies of moral behavior, values, and decision-making processes. Christian morality and moral reasoning will be explored in depth through such topics as conscience, freedom, and responsibility. These ideals are then applied to such issues as substance abuse, sex and sexuality, the influence of the media and culture, and respect for life.

**R710 Church and Sacraments Semester 1 11****Minimum Prerequisites:** None

This course provides students with an understanding of the interrelationship of the various components that comprise the contemporary Catholic Church. Major themes will include the Church as a community of faith, sacrament, and service.

**R706 Social Justice Semester 2 11****Minimum Prerequisites:** None

This course examines social justice issues affecting the world today in light of scripture and social teachings. Topics include human rights, prejudice and discrimination, racism, poverty, hunger, and labor issues. Emphasis will be on the causes of injustice and the need for a personal faith response.

**R704 Christian Vocations Semester 2 12****Minimum Prerequisites:** None

This course analyzes the developmental tasks of young adulthood and the lifestyle paths of single life, married life and religious life. Topics include self-esteem, communication, love, friendship, dating, sexuality and family life. Emphasis is placed on lifestyle issues and choices in light of the Gospel and Christian tradition.

**R705 Comparative Religions (P) Semester 1 12****Minimum Prerequisites:** None

This college preparatory course provides a rigorous examination of the world's major religions, including Judaism, Islam, Christianity, Hinduism, Buddhism, Taoism and Confucianism. Students will explore world religions' belief structure, traditions, customs and behaviors, and key historical events and people. Students must be committed to extensive reading, writing and oral exposition. Students must be prepared for the level of work.

# Science

**S801FHP Hon. Lab Biology (HP) Year 9-10****Minimum Prerequisites:** Commitment Contract; Hon. Geometry or higher concurrently.**Strongly Recommended:** 3.5 GPA; A in Algebra I.

Summer homework is required. This course is designed to provide an in-depth study of the major biological principles. Included is an examination of the study of evolution, life functions, classification, genetics and cellular functioning. Laboratory experience is a primary element in this class. Students must be prepared for the level of work.

**S802FP Lab Biology (P) Year 9-12****Minimum Prerequisites:** 9th grade enrollment by school placement based on grades, recs and HSPT scores

This course provides students with a detailed knowledge of biology and to sharpen their ability to analyze information. Laboratory investigations are a primary element in the class. Topics include cellular functioning, classification, evolution, life systems and functions and genetics.

**S806F Phys. Science w/Lab (P) Year 10-12****Minimum Prerequisites:** Lab Biology

This course provides a science background needed to understand our everyday surroundings. Topics covered include: structure of matter, applied chemistry, motion & forces, electricity & magnetism, waves, and energy. Lab investigations are utilized to reinforce topics studied. Meets UC requirements as an elective (g).

**S811FHP Hon. Lab Chemistry (HP) Year 10-12****Minimum Prerequisites:** Commitment Contract; Algebra II or higher concurrently. 3.0 GPA.. Strongly recommended: 3.5 GPA, Hon. Alg. 2 or higher and "B" or better in all previous math courses

This lab course gives the student an accelerated and in-depth study of general chemistry with emphasis on principles, theory, problem solving and application. Topics include: atomic and molecular structure, atomic theory, phases of matter, chemical acids and bases, oxidation-reduction, and nuclear chemistry. Lab activities and research are included. *Chemistry is a challenging course.* Students must be prepared for the level of work.

**S812FP Lab Chemistry (P) Year 10-12****Minimum Prerequisites:** Commitment Contract; C+ in Lab Biology. Algebra II or higher concurrently and minimum 2.5 GPA. Strongly recommended: 3.0 GPA and "B" or better in previous math & science courses.

This course covers the study of Chemistry with emphasis on principles and theory. Included are discussion of atomic and molecular structure, atomic theory, phase of matter, chemical acids and bases, and oxidation-reduction reactions. Emphasis is placed on problem solving. Lab investigations include quantitative and qualitative experiments, data collection, and analysis. *Chemistry is a challenging course.* Students must be prepared for the level of work.

**S807FP Lab Physics (P) Year 11-12****Minimum Prerequisites:** Commitment Contract; C+ (B strongly recommended) in Lab Chemistry AND Trig/Pre-Calc. or higher concurrently.

This lab course covers the basic physical laws of mechanics, heat energy, sound, light, electricity, magnetism, and the age of the atom and the electron. This is challenging college prep elective. Students must be prepared for the level of work.

**S803FHP A.P. Biology (AP) Year 10-12****Minimum Prerequisites:** Commitment Contract; B or better in Honors Lab Biology or ("A" in Biology AND instructor permission. \*\$50 AP LAB FEE REQUIRED; AP Exam Fee Required.**Strongly Recommended:** 3.5 GPA. Students must take the AP Exam. AP Exam Fee required.

Summer homework is required. This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. It is designed to challenge the student interested in pursuing Biology-based science at the college level. Students work at an accelerated rate covering the topics found in a typical college biology course. These topics include cellular function, regulation and energetics, molecular genetics, gene regulation and biochemistry. Frequent lab work and dissections are required. Students must be prepared for the level of work.

**S815FAP A.P. Chemistry (AP) Year 11-12**

**Minimum Prerequisites:** Commitment Contract; B or better in Honors Lab Chemistry or "A" in Chemistry AND instructor permission. \*\$50 AP LAB FEE REQUIRED; AP Exam Fee Required.

**Strongly Recommended:** 3.5 GPA. Students must take the AP Exam. AP Exam Fee required.

Summer homework is required. This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. It is designed to challenge the student interested in studying science-based coursework at the college level. Students work at an accelerated rate covering the topics found in a typical college chemistry course. Extensive labwork required. Students must be available and willing to spend outside class time on the subject.

**S816AP A.P. Environmental Science (AP) Year 11-12**

**Minimum Prerequisites:** Commitment Contract; • B or better in Lab Biology/Honors Lab Biology, B or better in Chemistry/Honors Chemistry and B or better in all previous math courses. Minimum 3.0 GPA (3.5 strongly recommended); Instructor approval. \*\$50 AP LAB FEE REQUIRED; AP Exam Fee Required.

Summer homework is required. AP Environmental Science is designed to be the equivalent of a one-semester, introductory, college-level course in environmental science that offers the rigor of a college class. The goal of this course is to provide students with the principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, to examine alternative solutions for resolving and/or preventing them, and to develop and focus their own political perspective. The interdisciplinary nature of AP Environmental Science draws on materials from the areas of biology, chemistry, earth science, and physics. Students must take the AP Exam in the subject.

**S817FP Marine Biology (P) Year 10-12**

**Minimum Prerequisites:** • Commitment Contract. **B or better in Lab Biology or C+ in Honors Lab Biology; •Concurrent enrollment in Geometry or higher;**

This second-year biology course builds upon and extends biological concepts developed during the first year. Students take an in-depth look at the physical, chemical, and geological characteristics of the world's oceans. They then investigate the structure, functions, behaviours, adaptations, and classification of a variety of plant and animals that live in the marine environment. Students learn how energy flows and matter cycles through the Earth's ocean system and they investigate the impact of humans on that system. Laboratory activities include dissection, experimentation, data collection, and data analysis that develop scientific investigation and scientific thinking skills.:

**S818FP Anatomy & Physiology (P) Year 11-12**

**Minimum Prerequisites:** Commitment Contract. **B or better in Lab Biology or C+ in Honors Lab Biology and B or better in Lab Chemistry or C+ in Honors Lab Chemistry; Minimum 3.0 GPA. \$50 Dissecting/Lab Fee Required.**

Anatomy & Physiology is a rigorous second-year biology course designed for students interested in pursuing careers in biology, medicine, and related fields. This course involves a basic introduction to the anatomy and physiology of the human body. Students completing this class will have gained an understanding of the major functions of most body parts and systems, as well as how these relate to disease, injury, and other health issues. It includes lab work and advanced dissections. Lab fee required.

**COMPUTER****M519 Computer Applications Semester 9-12**

**Prerequisites:** None

This hands-on course explores in detail the computer concepts of advanced word processing, database, spreadsheet, desktop publishing, presentation graphics and various other computer applications. The class is a hands-on computer experience. Lab work and projects are stressed. Written testing is required.

# History

**SS902FHP Hon. World History (HP) Year 9-10**

**Minimum Prerequisites:** 9th grade: Commitment Contract, B is current Social Studies Class and teacher recommendation. 10th grade: Commitment Contract and B in previous English course required.

**Strongly Recommended:** 9th grade: "A" in current Social Studies and English course and "above average" ranking on the Entrance Exam. Honors English concurrently. 10th grade: 3.5 GPA; "A" in previous English Class and Honors English II concurrently.

Summer homework is required. This course deals with historical events and their significance in relation to the development of democratic ideas and institutions. Primary topics include: the Renaissance, the Reformation, the American and French Revolutions, and the world in 19th and 20th centuries. Students will be required to read outside sources, novels and historical documents. Students must be prepared for the level of work.

**SS912FHP AP Euro. History (AP) Year 10-12**

**Minimum Prerequisites:** Commitment Contract; Honors English II or higher concurrently; B in previous History course or instructor permission.

**Strongly Recommended:** 3.5 GPA; B in Honors World History or "A" in previous history course. Students must take the AP Exam. AP Exam Fee required.

Summer homework is required. This rigorous, college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. It is an intensive study of European History from 1450 to the present. The course will develop the heightened ability to see the relationships and distinctions in European political, social, economic, and intellectual history, as well as an awareness of the consequences of European contacts with other areas of the world. Students must be prepared for the level of work.

**SS903FP World History (P) Year 10**

**Minimum Prerequisites:** None

This course deals with historical events and their significance in relation to the development of democratic ideas and institutions. Primary topics include: the Renaissance, the Reformation, the American and French Revolutions, and the world in 19th and 20th centuries.

**SS904FHP AP U.S. History (AP) Year 11**

**Minimum Prerequisites:** Commitment Contract; B in previous History Class. Students must take the AP Exam. AP Exam Fee required. Summer homework is required.

**Strongly Recommended:** 3.5 GPA, B in Honors World History or "A" in previous history course and teacher recommendation.

This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. It is an extensive examination of U.S. History from the age of exploration to the present and covers colonization, the Revolutionary War, the Age of Jackson, the Civil War, industrialization and the U.S. role in the Twentieth Century. Emphasis is on the period from the Reconstruction to the present. Students will compare historical interpretations and will complete outside readings and research papers.

**SS905FP U.S. History (P) Year 11**

**Minimum Prerequisites:** None

This course is a survey of United States history from the period of exploration to the present. It offers an examination of the political, economic, cultural and social forces that have influenced American history and have made it unique. In addition, it provides an analysis of the institutions and the environment in which they have developed. Emphasis is placed on the period from Reconstruction to the present.

**SS906SHP A.P. U.S. Government (AP) Semester 2 12**

**Minimum Prerequisites:** Commitment Contract; C+ in AP US History or A- in US History and department approval. Students must take the AP Exam. AP Exam Fee required. Summer homework is required. This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by College Board. It provides an in-depth study of the origins, structure and functions of federal and state government. Emphasis is on an examination of the U.S. Constitution and its contemporary application. Extensive outside reading and study is required. Students must be prepared for the level of work.

**SS907P U.S. Gov't and Law (P) Semester 12**

**Minimum Prerequisites:** None  
This course examines the structure and functions of government on the federal, state and local levels. Students will examine the basic principles of the U.S. Constitution and the rights that are guaranteed by this document.

**SS908FHP Hon. Economics (HP) Semester 12**

**Minimum Prerequisites:** Commitment Contract. C+ in prior Honors math class or B in prior College Prep math class; Math Analysis or Trig/Pre-Calc. previously or concurrently.

**Strongly recommended:** 3.5 GPA.  
This Honors course in Macroeconomics is designed to give the student a thorough understanding of economics that apply to an economic system as a whole. It places particular emphasis on the study of national income and price determination and develops student familiarity with economic performance measures, economic growth and international economics. This course is taught as a college course. Students must be prepared for the level of work.

**SS909P Applied Economics (P) Semester 12**

**Minimum Prerequisites:** None  
This course examines the features and functions of economics and economic systems. It is intended to develop an awareness of economic principles and theories. Topics include scarcity, supply and demand, the roles of management, labor and government, financial institutions, unemployment, inflation, and international economics.

**SS910P Psychology (P) Year 11-12**

**Strongly Recommended:** 2.5 cumulative GPA  
This is an approved U.C. college prep elective. Students must be prepared for the level of work. This course provides students with a fundamental understanding of psychology. Emphasis is placed on the beginnings and science of psychology, consciousness, motivation, abnormalities and treatment. Students should expect to participate in numerous activities, experiments and projects.

**SS911P Sociology (P) Year 11-12**

**Minimum Prerequisites:** None  
This is an approved U.C. college prep elective. Students must be prepared for the level of work. This course provides a systematic study of the realities of society. Topics include the family, roles people play, socialization, interpersonal relationships, deviant behavior, and social change.

**SS914P Int. Issues & Public Pol. & Law (P) Year 10-12**

**Strongly Recommended:** C in previous History course  
This course is designed for students interested in Mock Trial and Model UN and will introduce students to the elements of the legal system and the study of international affairs. Topics include the interactions of nation states, multinational organizations, and international bodies. In addition, topical issues such as racism, environmental destruction, poverty and basic human rights on the global level will be examined. U.C. college prep elective. Students must be prepared for the level of work.

**SS916P Hist. Western Philosophy (P) Semester 11 - 12**

**Minimum Prerequisites:** None.  
The course is a historico-philosophical survey of the major concepts and achievements of Western philosophers down through the centuries. The course will examine the key contributions to the major branches of philosophy (i.e., metaphysics, ethics, political theory and epistemology) by seminal thinkers such as Socrates, Plato, Aristotle, Augustine, Aquinas, Descartes and Nietzsche. UC college prep elective. Students must be prepared for the level of work.

## Tenets of the Commitment Contract

This Contract is required to register for any Honors/AP and Upper Division Elective Coursework.

1. I understand that the Upper Division, Honors and Advanced Placement (AP) courses listed above are RIGOROUS AND DEMANDING. I have read the expectations, course syllabus and summer requirements and I believe that I have the necessary academic background, commitment and academic motivation necessary to succeed.
2. I am aware that AP and Honors courses will require SUMMER HOMEWORK, due the first day of school, which will be included in my grade. Failure to complete Summer Homework may result in my removal from the class. Removal from an Honors/AP class may result in the removal from other Honors/AP classes to accommodate the late change in schedule.
3. I understand that Advanced Placement (AP) courses are EQUIVALENT TO COLLEGE FRESHMAN-LEVEL COURSES at an American university and that at the conclusion I will be required to take the AP Exam in the course. I understand that I must pay an additional AP Exam fee (approximately \$85) for each AP course taken.
4. I am prepared to make a commitment to STAY IN CLASSES SELECTED ABOVE FOR THE ENTIRE YEAR – regardless of the grade I earn in the first semester. I understand that many colleges and universities do not consider a “D” an acceptable level of achievement for admission and require that all “D’s” be reviewed in Summer School.
5. I recognize that my success in these courses may require that I SACRIFICE SCHOOL OR OUTSIDE ACTIVITIES, interests, entertainment or employment, especially those that demand significant time commitments during the evening hours and on week-ends. For AP classes, I understand I will be required to attend additional meeting times, study sessions and practice exams outside of class ... including before/after school and on week-ends.
6. I have DISCUSSED MY DECISION to enroll in Honors/Advanced Placement/Upper Division classes with my teacher, counselor and parents and take full responsibility for my achievement.
7. I understand that after July 1, 2010 my decision to take this course is ABSOLUTELY FINAL. After this date, I am completely committed to taking the class(es) and I will be unable to change.