

Summary of College Entrance Requirements

University of California

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 - courses approved for UC/CSU A-G are denoted with a (P), (AP) or (HP) after the title.

A. 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

B. English - Fours years required.

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

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

E. Foreign Language - Two years same language required, three recommended.

F. Visual/Performing Arts (VPA)- Must take a full-year course.

G. College Prep Electives

California State University

www.csumentor.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 Language: 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.

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.

St. Bernard Graduation Requirements	Years	Credits
Religious Studies - taken every semester	4	40
English	4	40
World Language same language. UC recommends 3 – 4 years.	2	20
Mathematics - 3 years at SBHS.	3	30
Must include college prep Geometry and Algebra II 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 - with Lab	2	20
10 credits Lab Biology, 10 credits Phys. Science/Lab Chemistry. UC recommends 3 years		
PE and Health/Fitness	1	10
5 Coed PE/Health, 5 PE elective or co-curricular athletics/cheer or dance.		
Fine Arts (VPA)	1	10
Full-year course in Art, Music, Theatre or Dance		
Computer Applications (included in Foundations course and others).		
Electives *For UC/CSU, must include 10 credits from A-G list		40
Graduation requirements for core classes must be taken during the regular school year only. Computer, VPA, Health/PE may be taken in summer school.		
TOTAL REQUIRED		240

English

English Department	ii - 1
Visual/Performing Arts Department	1-2
World Languages 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.

Course requests and the master schedule are finalized in July, after which selections cannot be changed.

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

The information in this catalog is current as of the date of printing and may be updated or amended by the school administration at any time as appropriate. All course offerings are subject to minimum and maximum enrollments. The administration reserves the right to not offer any course in this catalog due to low requests for enrollment, staffing or for budgetary reasons. In this case, students will be enrolled in an appropriate alternate course of studies.

Writing Across the Disciplines (P) Semester 9

Minimum Prerequisite: None

This course will further develop students' ability to create coherent and unified research based writing based on the synthesis of multiple sources. An emphasis will be placed on grammar development, vocabulary acquisition from authentic texts and examining the development of central ideas across several, nonfiction texts. Additionally, students will be required to practice organizational skills and study habits that will form a basis of their high school careers. Topics chosen for research will vary by semester

E202FP English 9 (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.

E209SP English 10 (P) Year 10

Minimum Prerequisite: English 9.

Read, explore, and analyze works of the British Literary canon that are representative of each of the major eras of British history starting from the 8th century AD and ending at the beginning of the 19th century. Fall semester will cover *Beowulf*, *The Canterbury Tales*, *Macbeth*, and *Frankenstein*. Study the basics of grammar, punctuation, and various forms of essay writing. Fall semester will cover persuasive essays and narrative essays as well as writing literary reviews. Spring semester will cover *Paradise Lost*, the Romantic Poets, Victorian Poets, and the Modernists. Spring semester will cover descriptive and expository essays as well as allow students to explore their own creative writing.

E203FHP Honors English 10 (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.

E206FHP AP English Literature (AP) Year 11

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; A in Hon. Eng. II

Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week. 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 American Literature/Writing (P) Year 11

Minimum Prerequisites: English 10.

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.

of articles including news stories, opinion pieces, record reviews, interviews and human interest stories.

E208FHP AP English Language (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. Literature or A in Hon. Eng. III.

Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week. This college-equivalent course is for the advanced and highly motivated student and follows the curricula defined by the College Board. Students will be prepared to write college-level position papers and to synthesize information from multiple sources to create a coherent and sustained case. Reading will be based in non-fiction pieces and books with a focus on analytical, argumentative, and expository writing.

E217FP Rhetoric and Composition (P) Year 12

Minimum Prerequisites: American Literature/Writing. This course aims to train seniors how to think about and write up longer argumentative papers that demonstrate argument literacy at the college level—the ability to read, summarize and contribute to sophisticated arguments mainly on political, social and ethical issues. Students will read, outline and critique the arguments and various rhetorical devices used in a plethora of professionally written essays, letters, editorials and research papers. They will use college library resources to develop and support their arguments and the MLA (Modern Language Association) format to cite outside sources.

ENGLISH ELECTIVES (G)

Do not fulfill English graduation requirements.

E210P Creative Writing Semester 11-12

Minimum Prerequisites: None. **Recommended:** B in previous English class
 The course will focus on creative writing. Essential principles of writing as a process and modeled writing are stressed, along with grammar, spelling and punctuation. Students will be responding to miscellaneous writing prompts, writing short stories and practicing a wide variety of creative writing exercises including fiction and creative nonfiction. Students will also be exposed to a wide variety of authors from the canon over the last 200 plus years from Edgar Allan Poe to Joan Didion to Junot Diaz.

E210P Poetry Semester 11-12

Minimum Prerequisites: None. **Recommended:** B in previous English class
 This course is designed to give the student instruction and practice into the craft of writing poetry. Students will be introduced to fundamental poetry forms like haikus, sonnets, sestinas, villanelles, ghazals, odes, elegies, ballads, free verse, prose poems and other forms. Principles of poetry and vocabulary words will be stressed. Students will also study important poetry movements and their historical implications like the Romantic Poets, Realism, the Harlem Renaissance, Modernism, the Beat Generation, and the Black Arts Movement. Students must be prepared for the level of the work.

E415SP Journalism Semester 11-12

Minimum Prerequisites: None.
 Under the direction of the Journalism teacher, students will learn and apply journalistic terminology, develop a deeper understanding of the First Amendment, the media and the role it plays in our lives, generate and develop story ideas, write and edit articles, learn and employ interviewing techniques and learn how to take notes like a reporter. Over the course of the semester, students will write several types

E415SP Yearbook Semester 11-12

Minimum Prerequisites: None.
 The second semester of this class will focus on the production of the school yearbook. Students will be assigned roles such as section editors, photographers, writers, designers and copy editors. Students will be creating pages for the yearbook and along the way they will be learning principles of production, elements of publishing design and deadline management. Ultimately, the class will culminate with the published yearbook at the end of the year.

Visual & Performing 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.

THEATRE ARTS

FA318 Theatre Arts I (P-VPA) Year 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) Semester 11-12

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.

DANCE

FAPE615 Dance I: Fundamentals (P-VPA) 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.

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

Minimum Prerequisites: Dance I: Fundamentals.
 This course continues from the Dance I course, focusing and expanding on Dance concepts and techniques, as well as study the history and major achievements in Dance. Students 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.**

MUSIC

Viking Choir class meets during 7th period 1-2 days per week. See instructor/moderator to get involved.

World Languages

FL402FP French II (P) Year 9-12

Minimum Prerequisites: Completion of French I or equivalent with a C- or above; Strongly Recommended: B- or above in French I or equivalent.

This course covers the past and future tenses of French. Vocabulary, oral comprehension, speech, and reading, and writing in French are stressed.

FL405FP Spanish I (P) Year 9-12

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. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week. 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.

Mathematics

ELIGIBILITY FOR MATH COURSES

1. Placement in 9th grade is based on HSPT 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. Geometry placement test required.

2. 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.

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

M502FP Algebra I (P) Year 9

Minimum Prerequisites: Placement determined by Entrance Exam scores, 8th grade math course, 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. Math Placement test score **10th graders:** C in Algebra IB or Summer School grade.

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, polygons, and a review of Algebra concepts.

M505FHP Honors Geometry (HP) Year 9-10

Minimum Prerequisites: 9th Graders: Students must earn a "A-" in full-year Algebra I course, have the recommendation of the 8th grade teacher required and pass the Geometry placement exam.

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 indepth appreciation of the basic structure of geometry and an introduction to trigonometry. Students will complete frequent projects applying what they have learned to real life situations, and to learn by doing.

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. B- in Hon. Geometry or B+ in both Geometry and Algebra I and

teacher recommendation.

Strongly recommended: B in previous Honors math courses or A in previous non honors math courses. *Summer homework is required.* Designed for high ability mathematics students, the course 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.

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.

M510FHP AP Calculus (AP) Year 12

Minimum Prerequisites: Commitment Contract Required. C+ (B strongly recommended) in Hon. Math Analysis or "A" in Trig/Pre-Calculus. Students must take the AP Exam. AP Exam Fee.

Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week. This 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. Calculator with trig functions is required. Students must be well prepared for the difficulty and level of work.

M515FP Probability and Statistics (P) Year 12

Minimum Prerequisites: None

This course is designed for seniors and highly motivated juniors. The course will cover concepts of probability theory, basic principles of statistical inference, modeling uncertainty in obtaining and recording data, discrete data and measures of centrality and dispersion. Students will be able to compute probabilities based on practical situations, use normal distribution to test statistical hypotheses and construct probability distribution of a random variable based on real-world situations. Students will also be able to compute probabilities by modeling sample spaces and applying rules of permutations and combinations.

Physical Education

PE601 Health & Fitness 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. Includes health fitness and activity. Written assignments are required. SBHS PE clothes required: Blue/gold reversible shirt and royal blue shorts.

PE613 Physical Fitness Semester 9-12

Prerequisite: None.

This course presents an opportunity to explore alternative physical fitness activities. Emphasis is on lifelong fitness activities, techniques and may include walking, aerobics, stretching, light weights, etc. Written assignments are required. PE clothes/shoes required.

Religious Studies

R711F Religion 9: The Bible Semester 1 9

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. They will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

R711S Religion 9: Jesus Christ Semester 2 9

This course will introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God in learning about who he is, the students will also learn who he calls them to be.

R709 Religion 10: Paschal Mystery Semester 1 10

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

R703 Religion 10: The Church Semester 2 10

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

R710 Religion 11: Sacraments Semester 1 11

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

R706 Religion 11: Morality/Social Teaching Sem 2 11

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

R704 Religion 12: Vocations Semester 2 12

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

R705 Religion 12: World Religions. (P) Semester 1 12

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. The course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and

practice differ from the Catholic faith. This college preparatory course provides a rigorous examination of the world's major Christian and non-Christian religions, and will explore world religions' belief structure, traditions, customs and behaviors, and key historical events and people.

Science

S802FP Lab Biology (P) Year 9-10
Minimum Prerequisites: None. Students will be placed in a single-gender classroom. 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 cell function, genetics, evolution, life systems and functions and ecology.

S806F Phys. Science w/Lab (P) Year 10-12
Minimum Prerequisites: Lab Biology
 This course provides a conceptual scientific background needed to understand our the world in which we live in. Topics covered include: structure of matter, applied chemistry, motion and forces, electricity & magnetism, waves, and energy. Lab investigations are utilized to reinforce topics studied. Meets UC requirements as an elective (g).

S812FP Lab Chemistry (P) Year 10-12
Minimum Prerequisites: B in Lab Biology and B in Algebra I or Algebra II concurrently. 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, oxidation-reduction reactions, molarity and stoichiometry. Emphasis is placed on problem solving. Lab investigations include quantitative and qualitative experiments, data collection, and analysis. Students must have a scientific calculator. *Chemistry is a challenging course.*

Students must be prepared for the level of work.

Lab science classes will have a lab fee.

S807FP Lab Physics (P) Year 11-12
Minimum Prerequisites: B in Lab Chemistry AND Trig/Pre-Calc. or higher concurrently.

This is an investigative course exploring the laws of physical science by means of demonstrations, lab work, and discussion based lecture. Topics covered include: physical laws of motion, gravity, light, electromagnetism, sound, heat, atomic physics and subatomic physics. Careful gathering and analysis of quantitative data is stressed. This is a challenging college prep elective that requires strong math skills. Students must be prepared for the level of work. *Lab science classes will have a lab fee.*

S803FHP A.P. Biology (AP) Year 11-12
Minimum Prerequisites: Commitment Contract; B or better in Lab Biology; Minimum 3.0 GPA. \$50 Dissecting/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, biochemistry, evolution, and ecology. Student knowledge is assessed through homework assignments, exams, and lab work. This course includes a laboratory component designed to meet College Board standards and has been reviewed and approved by the

College Board.

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. 3.5 GPA strongly recommended; Lab Fee required.

Summer homework is required. Mandatory attendance in AP LAB or study sessions as scheduled by instructor.

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. AP Exam Fee Required.

Summer homework is required. Mandatory attendance in AP LAB or study sessions as scheduled by instructor.

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: Minimum Prerequisites: "C" in Lab Biology.

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 investigate the structure, functions, behaviors, adaptations, and classification of a variety of plants 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, experiments, aquarium maintenance, and data collection/analysis that develop scientific literacy and inquiry. Students will have key roles in the management of the school's aquarium habitat.

History & Social Studies

SS912FHP AP European History (AP) Year 10-12
Minimum Prerequisites: Commitment Contract; concurrent enrollment in Honors English II or higher; B in previous History course or instructor permission. Students must take the AP Exam. AP Exam Fee required.

Strongly Recommended: 3.5 GPA; B in Honors World History or "A" in previous history course. **Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week.** 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. Outside class study sessions required.

the rights that are guaranteed by this document.

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.

SS908FHP Hon. Economics (HP) Semester 12

Minimum Prerequisites: Commitment Contract; a C+ in a previous AP or honors humanities course, or an A in previous humanities course; and a teacher recommendation. Students must be concurrently enrolled in A.P. U.S. Government.

Strongly recommended: 3.5 GPA and a B in a previous AP or honors humanities course.

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.

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

Minimum Prerequisites: Commitment Contract; C+ in previous Honors World History or AP Euro History class; and teacher recommendation. Students must take the AP Exam. AP Exam Fee required.

Strongly Recommended: 3.5 GPA, B in Honors World History or AP Euro History, or an A in previous history course and teacher recommendation. **Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week.** 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. Outside class study sessions required.

SS909P Applied Economics (P) Semester 12

Minimum Prerequisites: None. Concurrent with US Govt. 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.

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.

SS910P Psychology (P) Semester 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.

SS906SHP AP U.S. Government (AP) Year 12

Minimum Prerequisites: Commitment Contract; C+ in AP U.S. History or A- in U.S. History and teacher recommendation. Students must take the AP Exam. AP Exam Fee required. Students must be concurrently enrolled in Honors Economics.

Strongly Recommended: 3.5 GPA, B in AP U.S. History or AP Euro History, or an A in previous history course and teacher recommendation.

Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week. 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. Outside class study sessions required.

SS911P Sociology (P) Semester 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.

Summer homework is required. Mandatory attendance in AP LAB as scheduled either "Zero" period or "7th period" once per week. Through anthropological and geopolitical lenses this college equivalent course examines the various aspects of what makes us human. Topics include the nature and perspectives of geography, cultural patterns and processes, political organizations of space, agriculture, urban and rural land use, industrialization, and economic development. Students must be prepared for the level of work. Outside class study sessions required. Students must be prepared for the level of work.

ND600 F/S School Service/Youth Leadership Year 11-12

Permission of the Director of Activities.
Students will be responsible for the planning, coordination, management and execution of the numerous activities planned and sponsored through Youth Leadership, ASB, and Campus Ministry. Students may be sent to neighboring Catholic Schools to assist in classrooms. Students may be assigned to assist in the SBHS office, lab or as a teacher assistant. Students will complete an application and approval form with the Activities Office. This course earns Pass/Fail credit.

SS907P U.S. Government and Law (P) Semester 12

Minimum Prerequisites: None. Concurrent with Applied Economics. 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

All classes are subject to enrollment minimum/maximums, as well as staffing and master scheduling constraints. Students must also select alternate choices.

UC-CSU

A - G Requirements

The A-G requirements are a sequence of high school courses that students must complete with a grade of C or better to be minimally eligible for admission to the University of California (UC) and California State University (CSU). They represent the basic level of academic preparation that high school students should achieve to undertake university work. The following chart summarizes the A-G requirements:

(A) History/Social Science 2 years

Two years of history/social science, including one year of world history, cultures and geography and one year of U.S. history or one-half year of U.S. history and one-half year of civics or American government

(B) English 4 years

Four years of college-preparatory English that include frequent and regular writing, and reading of classic and modern literature. No more than one year of ESL-type courses can be used to meet this requirement

(C) Mathematics 3 years

Three years of college-preparatory mathematics that includes the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Approved integrated math courses may be used to fulfill part or this entire requirement, as may math courses taken in the seventh and eighth grades that your high school accepts as equivalent to its own math courses

(D) *Laboratory Science 2 years

Two years of laboratory science providing fundamental knowledge in at least two of these three foundational subjects: biology, chemistry, and physics. Advanced laboratory science classes that have biology, chemistry, or physics as prerequisites and offer substantial additional material may be used to fulfill this requirement, as may the final two years of an approved three-year integrated science program that provides rigorous coverage of at least two of the three foundational subjects.

*For CSU - 1 "D" lab science and 1 "G" science electives will meet CSU admissions requirements, but must be from two foundational subjects.

(E) Language Other than English 2 years

Two years of the same language other than English. Course in languages other than English taken in the seventh and eighth grades may be used to fulfill part of this requirement if your high school accepts them as equivalent to its own courses

(F) Visual & Performing Arts 1 Year

A single year-long approved arts course from a single Visual & Performing Arts discipline: dance, drama/theatre, music or visual art

(G) College Preparatory Elective 1 Year (2 Semesters)

One year (two semesters), in addition to those required in "a-f" above, chosen from the following areas: visual and performing arts (non-introductory level courses), history, social science, English, advanced mathematics, laboratory science and language other than English (a third year in the language used for the "e" requirement or two years of another language)

