

PACIFIC GROVE HIGH SCHOOL



COURSE BULLETIN

2016-2017

COURSE BULLETIN

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HIGH SCHOOL GRADUATION REQUIREMENTS

1. To **earn a diploma** from Pacific Grove High School, a student **must earn a minimum of 230 units of credit**, pass the **High School Exit Exam** and complete 48 hours of **community service**.
2. **170 credits** must be **in the required subjects** listed **below**:
 - A. 40 credits (4 years) of **English** (Eng. 4 must be completed at PGHS.)
 - B. 40 credits (4 years) of **Social Science**:
 - 10 credits **Geography** or **Honors Social Studies**
 - 10 credits **World History/Geography**
 - 10 credits **U.S. History**
 - 10 credits **Government & Economics** (must be completed at PGHS.)
 - C. 20 credits (2 years) of **Science** (One year of life science and one year of physical science.)
 - D. 20 credits (2 years) of **Mathematics** (must include Integrated Math II or equivalent)
 - E. 20 credits (2 years) of required **Physical Education** (Grades 9 and 10)
 - F. 10 credits (1 year) of **Fine Arts or Foreign Language**
 - G. 10 credits (1 year) of **Career Technical Education OR (1 year) Additional UC a-g approved course**
 - H. 10 credits (1 year) of **Health/Computers**
 - I. Completion of 60 credits of **electives**
 - J. **Extracurricular activities** – (optional) Students may receive a maximum of 10 credits for participating in the following PGHS extracurricular activities; sports, spirit squad, mock trial, play production, musical and ASB/Class officer, TA. Participants will receive 2.5 credits per activity, per semester until they have earned the maximum 10 credits. The credits will be applied to elective credit.

The required subjects listed above are for high school graduation. College entrance requirements are often different and additional. (See College Admissions section)

If you have any questions about college admissions or high school graduation requirements, please contact your student's counselor. Guidance Office Phone – (831) 646-6590, Ext. 277.

Class Standing

Completion of **50 credits** is required for **sophomore standing**.
Completion of **110 credits** is required for **junior standing**.
Completion of **170 credits** is required for **senior standing**.

COLLEGE ADMISSIONS

1. COMMUNITY COLLEGE REQUIREMENTS

www.cccco.edu

The following persons are eligible for admission:

1. High School graduates
2. Persons having attained their 18th birthday
3. Transfer students from other colleges upon presentation of satisfactory credentials

Counselors will assist qualified students in enrolling concurrently at Monterey Peninsula College in special academic and vocational programs, which are available to a limited number of students.

Monterey Peninsula College offers three kinds of programs of study:

1. Occupational Programs
2. Two-year Transfer Programs
3. Associate Degree Programs

2. **CALIFORNIA STATE UNIVERSITIES**
California State University System
Entrance Requirements
www.csumentor.edu

Admission to the state universities is dependent upon three factors:

1. High school grade point average in grades 10 and 11 in required courses listed below.
2. Scores on the American College Test or Scholastic Assessment Test
3. Fifteen courses will be taken during grades 9 - 12.
Students must earn a grade of "C" or higher in these courses.
The specific a-g course requirements are:
 - a. 1 year each of U.S. History and World History
 - b. 4 years English (all courses must require frequent and regular practice in writing expository prose composition)
 - c. 3 years of mathematics (Algebra I, Algebra 2 and Geometry) or (Integrated Math I, II and III.)
 - d. 2 years of laboratory science (1 year life science and 1 year physical science)
 - e. 2 years foreign language
 - f. 1 year visual/performing arts
 - g. 1 year college preparatory elective (1 course to be chosen from history, advanced mathematics, laboratory science, foreign languages and fine arts.)

Test scores are required unless you have a grade point average above 3.0 *and* are a resident of California. The CSU uses a calculation called an [eligibility index](#) that combines your high school grade point average with the score you earn on either the SAT or ACT tests. Even if you have a GPA above 3.0, it is useful to take either an SAT or ACT as the score may indicate if you do not need to take English and math placement tests after you are admitted and before you enroll at the CSU.

While SAT/ACT test scores are not required to establish the admission eligibility of California residents with high school grade point averages of 3.00 or above impacted campuses and impacted first-time freshmen enrollment categories often include test scores among the supplemental criteria required of all applicants to those campuses and enrollment categories.

Students earning a grade point average below 2.00 are not eligible for admission.

State universities currently require applicants to file their application during the months of October and November. Applications after the closing period are considered only on a space available basis.

CALIFORNIA STATE COLLEGE
AND UNIVERSITY SYSTEM

Bakersfield	Pomona
Channel Islands	Northridge
Chico	Sacramento
Dominguez Hills	San Bernadino
Fresno	San Diego
Fullerton	San Francisco
East Bay	San Jose
Humboldt	San Luis Obispo
Long Beach	San Marcos
Los Angeles	Sonoma
Maritime Academy	Stanislaus
Monterey Bay	

3. **UNIVERSITY OF CALIFORNIA**
University of California Entrance Requirements
www.admission.universityofcalifornia.edu

A. Complete a minimum of 15 college-preparatory courses ("a-g" courses), with at least 11 finished prior to your senior year.

- a. 1 year each of U.S. History and World History
- b. 4 years English (all courses must require frequent and regular practice in writing expository prose composition)
- c. 3 years of mathematics (Algebra I, Algebra 2 and Geometry) or (Integrated Math I, II and III).
- d. 2 years of laboratory science (1 year life science and 1 year physical science)
- e. 2 years foreign language
- f. 1 year visual/performing arts
- g. 1 college preparatory elective (1 course to be chosen from history, advanced mathematics, laboratory science, foreign languages and fine arts.)

4. **PRIVATE (INDEPENDENT COLLEGES)**

Although there are differences among the private colleges and universities in entrance requirements, generally they expect students to satisfy the same subject pattern as the U.C. system. Students should check with their particular college choices for specific requirements.

ENGLISH

The following sequence of courses will be the English Department's offering for 2016-2017. All students will be placed in appropriate English classes according to their level of reading and writing skills.

Grade 9	English 1	Honors English 1	
Grade 10	English 2	Honors English 2	
Grade 11/12	English 3/4 American Literature	AP English Literature	AP English Language
Grade 11/12	English 3/4 Science Fiction and Dystopia		
Grade 11/12	English 3/4 Sports Literature		
Grade 11/12	English 3/4 Literature and the Dynamics of Social Justice		
Grade 11/12	English 3/4 Poetry and Creative Writing		
Grade 11/12	English 3/4 Project Based Research		
Grade 12	English 4 ERWC		

COURSE **ENGLISH 1**

GRADE LEVEL 9
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION English 1 introduces students to the elements and forms of literature. This course stresses the development of reading and critical thinking skills necessary to gain appreciation of the various genres of literature. Major writing emphasis will include effective descriptive and expository paragraphs and essays, vocabulary development and a review of grammar and mechanical skills. *UC/CSU approved.*

COURSE **HONORS ENGLISH 1***

PREREQUISITE "A" or "B" in previous English class, advanced reading and writing skills, grades and test scores. Passing score on an entrance exam is required.
GRADE LEVEL 9
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Honors English is designed for the advanced English student who wishes to refine his or her skills in preparation for more advanced classes such as Advanced Placement. This course will survey the four genres of literature (novel, play, poem and short story), review grammar and mechanical skills, and concentrate on the mastery of the critical essay. ***Students must be concurrently enrolled in Honors History. A student must maintain a B- to earn Honors 2 recommendation.** *UC/CSU approved.*

COURSE **ENGLISH 2**

GRADE LEVEL 10
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION English 2 introduces various literary genres and concentrates on improving student's writing skills. Major literary emphasis will be on the elements of short story, essay, biography, poetry, drama and the novel. Students will give special attention to the development of advanced reading and thinking skills necessary to gain better comprehension and appreciation of literary works. Writing emphasis will include expository and descriptive paragraphs, and analytical, persuasive and reflective essays. *UC/CSU approved.*

COURSE **HONORS ENGLISH 2**
PREREQUISITE Grade of "A" or "B" in Honors English 1 or grade of "A" in regular English or teacher/counselor recommendation.
GRADE LEVEL 10
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Honors English is designed for advanced college bound students. This course surveys drama, novels, short stories, and poetry in depth. This course stresses the development of critical writing and thinking skills. Work on special group projects and expository writing will enable students to analyze the way in which the works studied relate to themes and issues of the historical periods covered in class. **A student must maintain a B- to earn teacher recommendation for moving on to the next Honors/AP course.** *UC/CSU approved.*

COURSE **ENGLISH 3/4 AMERICAN LITERATURE**
GRADE LEVEL 11/12
LENGTH 1 semester
CREDIT 5 credits per semester
DESCRIPTION English 3/4 is a college prep course which surveys works of American literature. In addition, this course emphasizes the expression of individual opinion and of logical argument through expository writing. This course fosters individual growth in literacy. The students create projects that develop diverse reading, writing, and speaking skills. *UC/CSU approved.*

COURSE **ENGLISH 3/4 SCIENCE FICTION AND DYSTOPIA**
GRADE LEVEL 11-12
LENGTH 1 Semester
CREDIT 5 credits
DESCRIPTION This class will examine different visions of the potential future through comparing the same themes; free will, government control, and technology. The course will focus on critical thinking, expository writing, and argument. Students will develop reading, writing, speaking, and listening skills as they interpret major works of science fiction and dystopian literature. *UC/CSU approved.*

COURSE **ADVANCED PLACEMENT ENGLISH LANGUAGE**
PREREQUISITE Grade of "A" or "B" in Honors English 2 or AP Literature or grade of "A" in regular English and teacher/counselor recommendation.
GRADE LEVEL 11/12
LENGTH 1 year
CREDIT 10 credits
DESCRIPTION The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. **A student must maintain a B- to earn teacher recommendation for moving on to the next Honors/AP course.** Students may elect to take the national Advanced Placement exam in May with a chance of earning freshman English college credit. *UC/CSU approved.*

COURSE **ADVANCED PLACEMENT ENGLISH LITERATURE**
PREREQUISITE Grade of “A” or “B” in Honors English 2 or AP Language or grade of “A” in regular English and teacher/counselor recommendation. Entrance exam may be required.
GRADE LEVEL 11/12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Advanced Placement English Literature is a one-year course offered to 11th or 12th grade students who show unusual skill in literature and composition. This course surveys drama, novels and poetry in depth, concentrating on the mastery of the critical essay as used in college writing. Students may elect to take the national Advanced Placement exam in May with a chance of earning freshman English college credit. *UC/CSU approved.*

COURSE **ENGLISH 3/4 PROJECT BASED RESEARCH**
GRADE LEVEL 11/12
LENGTH 1 Semester
CREDIT 5 credits
DESCRIPTION English 3/4 Project Based Research is a college prep course, that focuses on research, writing, and oral presentation skills. Along with systematic vocabulary and grammar development, the central focus of the class is the Senior Project, which comprises four main components: 1) a research paper (8-12 pages), 2) a physical project, 3) a portfolio, and 4) an oral presentation. *UC/CSU approved.*

COURSE **ENGLISH 3/4 SPORTS LITERATURE**
GRADE LEVEL 11/12
LENGTH 1 Semester
CREDIT 5 credits
DESCRIPTION The sports literature class primarily focuses on examining universal sports themes – gender equality, racism, perseverance and integrity. Literature includes core nonfiction works, poetry, essays, articles and novels that all have sports related themes. This class encourages students to seek connections between the literature they read and their own lives and the world around them. *UC/CSU approved.*

COURSE **ENGLISH 3/4 LITERATURE AND THE DYNAMICS OF SOCIAL JUSTICE**
GRADE LEVEL 11/12
LENGTH 1 Semester
CREDIT 5 credits
DESCRIPTION English 3/4 Literature and the Dynamics of Social Justice is a college prep course, which focuses on the study of literature, history, art, and film to examine issues of identity, membership in society, and the practice of promoting equal rights and fair treatment of all members of society. The course includes extensive reading of a variety of literary genres, in-depth discussion, and substantial practice in writing to encourage a critical examination of human behavior and choice. *UC/CSU approved.*

COURSE **ENGLISH 3/4 POETRY AND CREATIVE WRITING**

GRADE LEVEL 11/12

LENGTH 1 Semester

CREDIT 5 credits

DESCRIPTION This class is designed to cultivate in students an aesthetic appreciation for the beauty of language. Students will examine various poetic techniques and poetic forms while learning to read poetry with a critical eye. The course will also offer students a guided tour through several works of fiction, whereby students will learn to identify elements of fiction within works studied and later learn to use these elements in their own creations. Students **MUST** be willing to share the pieces they write, and must be open to constructive criticism. *UC/CSU approved.*

COURSE **ENGLISH 4 EXPOSITORY READING AND WRITING**

GRADE LEVEL 12

LENGTH 1 year

CREDIT 10 credits

DESCRIPTION Expository Reading and Writing is a rigorous, rhetorically based, full-year college preparatory English course for high school seniors designed to support college-readiness in English. The course's 12 modules, which include a wide variety of nonfiction texts and some literature, emphasize the in-depth study of expository, analytical, and argumentative reading and writing. Students will analyze the interplay of rhetorical devices, vocabulary, and grammar in rich, college-level texts, and then use these same elements in their own expository and persuasive writing. Seniors who pass this class with a C or better can become exempt from taking remedial English and the CSU placement exam (EPT).
UC/CSU approved

FOREIGN LANGUAGES

SPANISH

COURSE **SPANISH 1**
PREREQUISITE None
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This introductory course uses communicative-based instruction to develop all four basic language skills: listening, speaking, reading and writing. Basic grammatical structures are presented along with vocabulary related to daily life and cultural topics. A variety of authentic language and cultural sources are integrated such as music, food, movies and magazines. *UC/CSU approved.*

COURSE **SPANISH 2**
PREREQUISITE Spanish 1 - Grade of "C" or better
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This is an intermediate course which provides continued development and practice of the basic language skills: listening, speaking, reading and writing. More advanced grammatical structures are introduced and more emphasis is placed on extended conversation. Includes vocabulary related to daily life and cultural topics with varied units of study and conversational activities. *UC/CSU approved.*

COURSE **SPANISH 3**
PREREQUISITE Spanish 2 - Grade of "B" (80%) or better; or teacher recommendation
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Emphasis is on the further development of listening, speaking and writing skills. More advanced vocabulary and grammar study is coupled with more extended speaking in a variety of contexts such as oral reports and group discussion. More academic vocabulary is presented related to relevant topics such as personal relationships, hobbies and sports, and health along with more complex cultural topics such as an in-depth exploration of a Spanish-speaking country. *UC/CSU approved.*

COURSE **SPANISH 4**
PREREQUISITE Spanish 3 - Grade of "B" (80%) or better; or teacher recommendation
GRADE LEVEL 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This is an advanced course which focuses on developing language skills in academic settings. Relevant topics are explored including personal relationships, technology and the environment. Reading selections come from authentic sources such as Spanish literature and newspaper articles. More advanced writing and speaking situations are required. More academic vocabulary is presented along with more complex cultural topics. A variety of authentic language and cultural sources are integrated such as songs, movies, newspapers, websites, and news reports. *UC/CSU approved.*

COURSE **AP SPANISH**
PREREQUISITE Spanish 3 - Grade of "A" (90%) or better; or teacher recommendation
GRADE LEVEL 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This is a college-level course which focuses on advanced work in listening, speaking, reading and writing. Emphasis is placed on speaking and writing in academic settings. Includes expository writing, oral presentations, and reading selections from Spanish literature and newspaper articles. Students prepare to take the AP Spanish Language exam in May. **Any summer homework given will be due at the first class meeting in August.** *UC/CSU approved.*

FRENCH

COURSE **FRENCH 1**
PREREQUISITE None
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION An introductory course designed to give students a strong background in conversational French. The focus is communicative-based instruction encouraging active participation by students. Speaking and understanding spoken French are emphasized. Students will learn about current and traditional French music. Field trips and cooking French food make this a "fun" academic class. *UC/CSU approved.*

COURSE **FRENCH 2**
PREREQUISITE French 1 - Grade of "C" or better; D+ or better to continue to second semester.
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Further develops students' speaking skills with emphasis on telling stories in the past, future, and conditional tenses. Students create their own skits and plays. Reading and writing include longer, more interesting stories than in French 1. Students use authentic situations to demonstrate their knowledge of French; example: students demonstrate and explain in French how to prepare their favorite French dessert! Field trips and French music add to the fun. *UC/CSU approved.*

COURSE **FRENCH 3**
PREREQUISITE French 2 - Grade of "B" or teacher recommendation; D+ or better to continue to second semester.
GRADE LEVEL 11, 12 or by consent of the teacher
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Students perfect their skills in the various tenses with more focus on reading and writing, while continuing to maintain their speaking skills. The focus is on mastering the grammar and learning more about the history and culture of the French-speaking world. Field trips and French music are included. **Summer Homework will be due at the first class meeting in August.** *UC/CSU approved.*

COURSE **FRENCH 4**
PREREQUISITE A grade of “B” or better in French 3 or teacher recommendation; D+ or better to continue to second semester.
GRADE LEVEL 9,10,11, 12 (depending on ability)
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION French 4 is a course designed for motivated students who can work independently and efficiently. Advanced grammar topics will be covered, incorporating high-interest topics such as making travel and hotel arrangements for a trip to a French-speaking country, communicating medical emergencies, and managing more advanced conversations in French. Extensive reading and writing will be required. Students will read various genres of literature by famous francophone authors such as Paul Eluard, Guy de Maupassant, Andre Theuriet and many others. The cultural emphasis will be on countries other than France where French is spoken. Summer Homework will be due at the first class meeting in August. *UC/CSU approved.*

COURSE **AP FRENCH LANGUAGE AND CULTURE**
PREREQUISITE A grade of “A” or better in French 3 or teacher recommendation
GRADE LEVEL 9, 10, 11, 12 (depending on
ability) LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION AP French is a college level course designed for motivated students who desire to become proficient communicators of French and prepare for the AP French Language and Culture Exam. Advanced grammar topics will be covered, incorporating high-interest historical topics. Extensive reading and writing will be required. Students will read various genres of literature by famous francophone authors such as Giraudoux Rostand, Voltaire, and Duras. The cultural emphasis will be on various countries where French is spoken. Summer Homework will be due at the first class meeting in August. Students must receive a D+ or better to continue to second semester. *UC/CSU approved.*

SOCIAL SCIENCE

The following sequence of courses will be the Social Science Department's offering for 2014-2015:

Grade 9	Physical and Cultural Geography	Honors Social Studies
Grade 10	World History	A.P. World History
Grade 11	U.S. History	A.P. U.S. History
Grade 12	Government/Economics	A.P. Government/Economics

COURSE **GEOGRAPHY: PHYSICAL AND CULTURAL**

PREREQUISITE Required

GRADE LEVEL 9

LENGTH 1 year

CREDIT 5 credits per semester

DESCRIPTION This course will develop the basic themes of physical, cultural and political geography. World geographic issues, world cultures and place identification will be emphasized. This course meets the requirements of the State's social science framework. *UC/CSU approved.*

COURSE **HONORS SOCIAL STUDIES***

PREREQUISITE "A" or "B" in previous history class, advanced reading and writing skills, grades and test scores. Passing score on an entrance exam will be required.

GRADE LEVEL 9

LENGTH 1 year

CREDIT 5 credits per semester

DESCRIPTION American Civilization, a feeder program for AP World History and AP US History, is designed for advanced, college-bound freshmen. Areas that will be covered will include history, literature, philosophy, art and sociology. This course will be aligned with the freshman Honors English course and emphasis will be placed on critical thinking and writing skills. Class focus is on the minority view in history and literature. ***Student must also be enrolled in Honors English 1.** *UC/CSU approved.*

COURSE **WORLD HISTORY**

PREREQUISITE Required

GRADE LEVEL 10

LENGTH 1 year

CREDIT 5 credits per semester

DESCRIPTION This survey course meets the 10th Grade World History requirement. It will include a selective study of the major political and social developments, and of individuals who played significant roles, in the time period from the mid-1700s up to the present. Units of study include a brief review covering 6th and 7th Grade World History, the Enlightenment, the Age of Revolutions, the Industrial Revolution, Nationalism & Imperialism, the First World War and Russian Revolution, Totalitarianism & World War II, and the Postwar World. Critical thinking, writing, and project organization are stressed. *UC/CSU approved.*

COURSE **A.P. WORLD HISTORY**
PREREQUISITE A or B in 9th grade honors, an A in 9th grade Geography, and/or teacher/counselor recommendation. Passing score on entrance exam will be required for students coming from Geography. See Mr. Grate (0-2) for entry exam information.
GRADE LEVEL 10
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Advanced Placement World History is a college-level course covering the entirety of World History from 10,000 BCE to the present. AP World History is fast-paced and challenging, and requires a high level of reading and writing skill. Students in AP World History should expect heavy reading assignments, and should be prepared to develop and demonstrate in writing analytical skills such as comparison and contrast, change over time, and understanding of primary source documents. Students will prepare for the AP World History examination, administered nationally in May. High scores on this exam may result in college credit, and may allow the student to fulfill the World History requirement at participating institutions. To facilitate the complete coverage of the course content, summer homework will be given. This will be due at the first class meeting in August. **A student must maintain a B- to earn teacher recommendation for moving on to the next Honors/AP course.** *UC/CSU approved.*

COURSE **UNITED STATES HISTORY**
PREREQUISITE Required
GRADE LEVEL 11
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION In this course students examine major turning points in American history in the twentieth century. The year begins with a selective review of United States history, with an emphasis on two major themes – the nation’s beginnings, linked to the Enlightenment and the rise of democratic ideas; and the industrial transformation of the new nations, linked to the global spread of industrialism during the nineteenth century. After these review units, we will begin our study of the twentieth century with an analysis of the Progressive Era and World War I. Critical responses to the Jazz Age and the Great Depression will also be emphasized during the first semester. In the second semester we will cover the following: World War II, The Cold War, The Civil Rights Movement in the Postwar Era, Vietnam/Late 1960’s and the United States in Recent Times. *UC/CSU approved.*

COURSE **A. P. U. S. HISTORY**
PREREQUISITE “A” in World History or “A” or “B” in AP World History and/or teacher/counselor recommendation.
GRADE LEVEL 11
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION The Advanced Placement U.S. History course is designed to provide students with the analytical skills and factual knowledge necessary to address critically the themes, issues, events, and materials of American history. Students will learn to evaluate historical materials in order to weigh evidence presented in historical scholarship. Students will be required to analyze and interpret primary sources, including documentary materials, maps, statistical tables, and pictorial and graphic evidence of historical events. The scope of the course is “the age of discovery” to the present. The A.P. U.S. History curriculum is intended to prepare the student for the Advanced Placement Test administered nationally in May. High scores may result in college credit at participating institutions. The course simultaneously satisfies the U.S. History requirement for high school graduation. **Summer Homework will be due at the first class meeting in August. A student must maintain a B- to earn teacher recommendation for moving on to the next Honors/AP course.** *UC/CSU approved.*

COURSE **ECONOMICS**

PREREQUISITE Required

GRADE LEVEL 12

LENGTH 1 semester

CREDIT 5 credits

DESCRIPTION Economics, a semester-length course, is **required** for graduation. The goal of this course is to increase understanding of the American economic system, including the nature of supply and demand, market structures, fiscal policy, monetary policy, comparative economic systems and world trade. Emphasis is also placed on such personal finance skills as maintaining good credit, checking accounts, budgeting and other adult consumer needs. *UC/CSU approved.*

COURSE **AMERICAN GOVERNMENT**

PREREQUISITE Required

GRADE LEVEL 12

LENGTH 1 semester

CREDIT 5 credits

DESCRIPTION Government, a semester-length course, is **required** for graduation. This course is about the American system of government, including functions of government, governmental programs, roles of the citizen, civil rights and liberties, public opinion, comparative political systems and current events. A required project **MUST** be completed by due date to pass this course. *UC/CSU approved.*

COURSE **A. P. AMERICAN GOVERNMENT AND ECONOMICS**

PREREQUISITE "B" or better in A.P. U.S. History and at least a 3 on U.S. A.P. exam and/or teacher/counselor recommendation

GRADE LEVEL 12

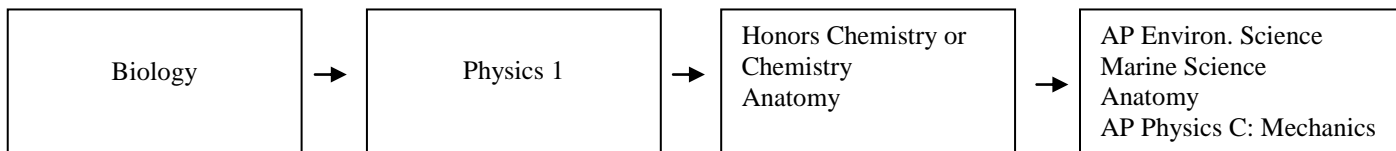
LENGTH 1 year

CREDIT 5 credits per semester

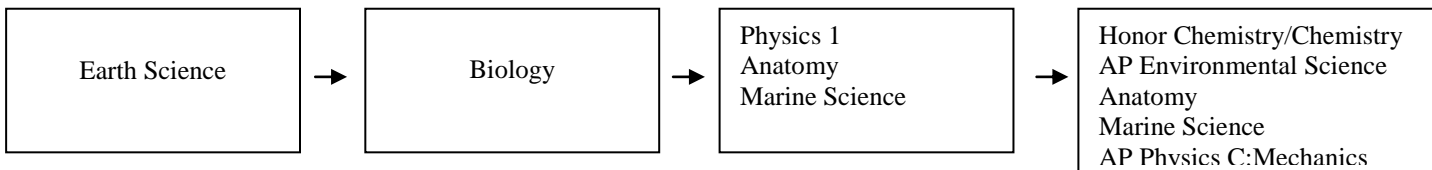
DESCRIPTION The goal of this course is to increase understanding of the American political system, its framework, traditions and values, and have each student pass the Advanced Placement American Government exam. This course is concerned with the nature of the American political system, its development over the past two hundred plus years, and how it works today. We will examine in detail the principle processes and institutions through which the political system functions, as well as some of the public policies which these institutions establish and how these policies are implemented. **Summer homework is required.** The **second semester of Economics is not an A.P. program,** however the A.P. Government/Economics class is a full year commitment. *UC/CSU approved.*

SCIENCE

Pathway 1: For incoming freshmen who have completed Math 8 with a “B” or better.



Pathway 2: For incoming freshman with less than a “B” in Math 8 or Integrated Math I concurrent enrollment.



The following science classes are all designed to meet the U.C. and C.S.U. laboratory science entrance requirements, except as noted below.

COURSE **ANATOMY/PHYSIOLOGY**

PREREQUISITE Biology
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Anatomy and Physiology is the study of the structures and functions of the human body. Labs include dissection of fetal pigs, simple experiments, demonstrations and model building. *UC/CSU approved.*

COURSE **EARTH & SPACE SYSTEMS**

PREREQUISITE None
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Earth and Space Systems is a laboratory oriented class which is a blend of several different sciences; Geology, Meteorology and Astronomy. We will be looking more closely at topics such as plate tectonics, astronomy, weather and climate. Earth & Space will be offered every other year—2016, 2018, 2020. **This course meets the CSU physical science entrance requirement. It does not meet the U.C. physical lab science entrance requirement. The U.C. system recognizes this course as a college prep elective.**

COURSE **BIOLOGY**

PREREQUISITE 9th grade completion of Math 8 with a “B” or better
 10th – 12th completion or concurrently enrolled in Alg. 1 or Integrated Math I
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Biology is the study of living things. The course follows an ecological approach. It is designed to build from concrete to abstract concepts such as cell theory, photosynthesis, genetics, to ecology and environmental issues. *UC/CSU approved.*

COURSE **MARINE SCIENCE**
PREREQUISITE Algebra 1 or Integrated Math I, and completion of 1 year of high school science with a “C” or better.
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This is a science class for those students who have successfully (C or better) completed at least one year of high school science. In this course, biology, physical oceanography, ecology of Monterey Bay and the world oceans are explored. The course is taught utilizing labs, direct instruction and field work. Earth & Space will be offered every other year— 2017, 2019, 2021. **This course meets the C.S.U. life lab science requirement, but not the U.C. The U.C. system recognizes this course as a college prep elective.**

COURSE **CHEMISTRY**
PREREQUISITE Completion or concurrently enrolled in Geometry or Integrated Math II and completion of Physics
GRADE LEVEL 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION The Chemistry course is designed to explore the chemistry of real-world problems through research, experimentation and discourse. The first semester develops the general principles involved in solutions and chemical reactions through the lenses of water and metals. The second semester focuses on energy in chemical reactions, the nature of gases and atomic theory in conjunction with fossil fuels, air pollution and nuclear power, respectively. *UC/CSU approved.*

COURSE **HONORS CHEMISTRY 1**
PREREQUISITE Completion of Physics with a “B” or better
 Completion of Geometry or Integrated Math II and completion/concurrently enrolled in Alg. 2 or Integrated Math III
GRADE LEVEL 11,12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION The honors chemistry course is designed to provide the advanced science student with an opportunity to learn chemistry at a higher level than the Chemistry course. This course is recommended for students wishing to take AP Environmental Science, and continue their science education into college. The honors chemistry course moves at a faster pace, providing a more in depth coverage of the topics. The course offers opportunity for enrichment through the use of advanced math concepts and laboratory work. Students taking honors chemistry will be prepared to take the SAT II in chemistry. *UC/CSU approved.*

COURSE **PHYSICS 1**
PREREQUISITE Completion of Algebra 1 or Integrated Math 1 with a “C” or better
GRADE LEVEL 10, 11,12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION The first semester of Physics is a study of motion and its mathematical description, energy and work. The second semester is a study light, waves, electricity and magnetism. *UC/CSU approved.*

COURSE **AP PHYSICS C:MECHANICS**

PREREQUISITE Completion of Calculus AB with a grade of C or completion of Pre-Calculus with a grade of B and concurrent enrollment in Calculus AB. Completion of regular physics is recommended.

GRADE LEVEL 11,12

LENGTH 1 year

CREDIT 5 credits per semester

DESCRIPTION This course prepares students to take the Advanced Placement Physics C test in mechanics and is the equivalent of a typical first semester college course in physics. Mechanics is the branch of physics that is concerned with quantifying the motion of bodies. Topics include kinematics, Newton's law of motion, work/energy/power, conservation laws (energy/momentum), circular motion and rotation, oscillations, and gravitation. The lab component of the class builds on experiments done in regular physics with emphasis placed on using computers to model and simulate physical systems. Students will use electronic sensors and data analysis programs to explore relationships among physical quantities. The topic of mechanics will be covered in much greater depth and with a higher level of mathematical sophistication than in the regular physics course. Prospective students should be comfortable with using mathematics to solve problems. *UC/CSU approved.*

COURSE **A.P. ENVIRONMENTAL SCIENCE**

PREREQUISITE Completion of (Alg. 1 or Integrated Math I) **and** (Geometry or Integrated Math II) **and** concurrently enrolled in (Alg. 2 or Integrated Math III) recommended

Completion of Biology with a "B" or better

Completion of Physics with a "C" or better

Completion of Chemistry. (Honors Chemistry recommended)

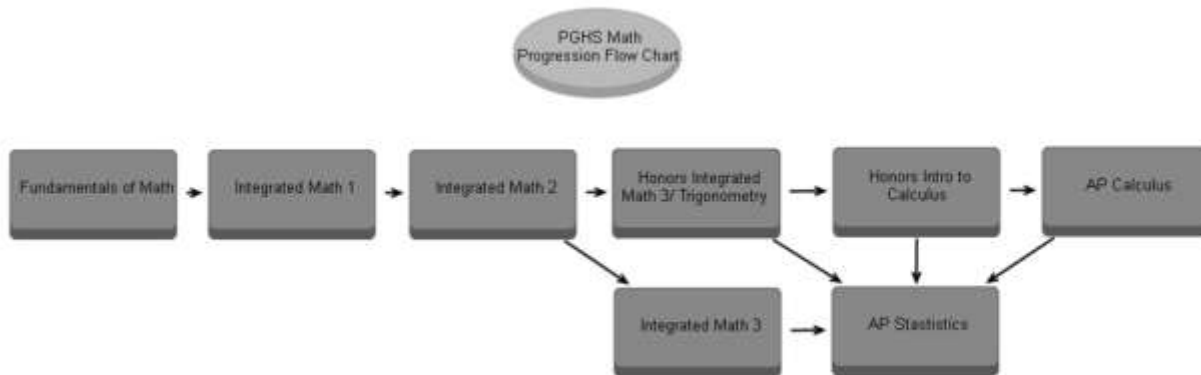
GRADE LEVEL 11, 12

LENGTH 1 year

CREDIT 5 credits per semester

DESCRIPTION This course is designed to be a rigorous science course that is the equivalent of a one-semester, introductory college course in environmental science. Topics will draw together geology, biology, chemistry, and marine science subject matter. Long-term field study projects will be set up at the beginning of each school year. Students will be expected to take an active role in designing and setting up these projects, as well as maintaining a field laboratory notebook throughout the year. Emphasis is on data collection and analysis of data sets, understanding the inter-relationships in the natural world, identifying and analyzing environmental problems both natural and human-made, evaluating risks associated with these problems and possible solutions. Students taking the course should have solid math skills because of the analytical nature of the work, and a solid background of both physical and life science. Junior or senior class standing mandatory *UC/CSU approved.*

MATHEMATICS



1. Math courses are yearlong courses and students who are in need of repeating 2nd semester must repeat the entire course.
2. The PGHS math courses are integrated, therefore Monterey Peninsula College and online courses of traditional Algebra 1, Geometry, and Algebra 2 courses will not be recognized as equivalent courses of Integrated Math I and Integrated Math II. Students will be allowed to substitute Math 263 (Intermediate Algebra and Coordinate Geometry) at Monterey Peninsula College for the Integrated Math III taught at PGHS. Successfully completing MPC or online courses of BOTH Algebra 1 and Geometry will be recognized as meeting the demands for recovery credit only (repeat of courses) for Integrated Math I and II.
3. The only math courses that can have concurrent enrollment are:
 - a. Honors Introduction to Calculus and AP Statistics
 - b. AP Calculus and AP Statistics

COURSE	<u>FUNDAMENTALS OF MATHEMATICS</u>
PREREQUISITE	Enrollment by Placement Only
GRADE LEVEL	9
LENGTH	1 Year
CREDIT	5 credits per semester
DESCRIPTION	This course will address the fundamentals of mathematics which will include: arithmetic, operations with integers and fractions, order of operations, problem solving strategies, reasoning, the language/vocabulary of mathematics, and fundamentals in mathematical modeling.

COURSE	<u>MATH SUPPORT</u>
PREREQUISITE	Students concurrently enrolled in PGHS courses Integrated Math 1 who would like extra help and/or struggled in their prior math course.
GRADE LEVEL	9-12
LENGTH	1 semester
CREDIT	5 elective credits per semester
DESCRIPTION	This course is designed to assist students in mastering fundamental skills necessary for success in Integrated Math 1. The course objectives include: <ul style="list-style-type: none"> 1. Skill development 2. Concept remediation (including integer and fraction operations, order of operations, perimeter and area formulas, and word problems) 3. Study habits 4. Test-taking strategies

COURSE	<u>INTEGRATED MATH I</u>
PREREQUISITE	Common Core Math 8
GRADE LEVEL	9, 10, 11
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	<i>UC/CSU approved.</i> Addressing both the Mathematical Practices (http://www.corestandards.org/Math/Practice) and Content Standards associated with the High School Common Core, Integrated Math I focuses on exploring, discussing, and understanding the concepts of: <ul style="list-style-type: none"> 1. Systems of equations and inequalities 2. Arithmetic and Geometric Sequences 3. Linear and Exponential Functions 4. Features of Functions 5. Congruency, Constructions, and Proofs 6. Connecting Algebra and Geometry 7. Modeling Data

COURSE **INTEGRATED MATH II**
PREREQUISITE Passing Integrated Math 1 with a “D” or higher
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION *UC/CSU approved.* Addressing both the Mathematical Practices (<http://www.corestandards.org/Math/Practice>) and Content Standards associated with the High School Common Core, Integrated Math II focuses on exploring, discussing, and understanding the concepts of:

1. Quadratics Functions
2. Structures of Expressions
3. Quadratic Equations
4. More Functions
5. Geometric Figures
6. Similarity and Right Triangle Trigonometry
7. Circles from a Geometric Perspective
8. Circles and Other Conics
9. Probability

COURSE **INTEGRATED MATH III**
PREREQUISITE Passing Integrated Math II with a “C” or higher
GRADE LEVEL 10, 11, 12
LENGTH 1 year
DESCRIPTION *UC/CSU approved.* Addressing both the Mathematical Practices (<http://www.corestandards.org/Math/Practice>) and Content Standards associated with the High School Common Core, Integrated Math II focuses on exploring, discussing, and understanding the concepts of:

1. Functions and their Inverses
2. Logarithmic Functions
3. Polynomial Functions
4. Rational Expressions and Functions
5. Modeling with Geometry
6. Trigonometric Functions
7. Modeling with Functions
8. Statistics

COURSE **HONORS INTEGRATED MATH III/TRIGONOMETRY**
PREREQUISITE Passing Integrated Math II with a “B” or higher, or teacher recommendation.
GRADE LEVEL 10, 11, 12
LENGTH 1 year
DESCRIPTION *UC/CSU approved.* Addressing both the Mathematical Practices and Content Standards associated with the High School Common Core, Honors Integrated Math III focuses on exploring, discussing, and understanding the concepts of:

1. Geometric Modeling
2. Linear and Quadratic Functions
3. Polynomial Functions
4. Rational Exponents and Radical Functions
5. Exponential and Logarithmic Functions
6. Rational Functions
7. Sequences and Series
8. Trigonometric Ratios and Functions
9. Trigonometric Identities and Formulas
10. Data Analysis and Statistics
11. Probability

COURSE **HONORS INTRODUCTION TO CALCULUS**
PREREQUISITE Successful completion of Honors Integrated Math III/ Trigonometry with a grade of “C” or better. Scientific calculator required. Graphing calculator recommended.
GRADE LEVEL 11, 12
LENGTH 1 year
CREDIT 5 units per semester
DESCRIPTION This course covers advanced topics in functions, trigonometry, vectors, conic sections, sequences and series, polar coordinate systems, parametric equations, derivatives, limits, continuity, and an introduction of integration.
UC/CSU approved

COURSE **A. P. CALCULUS AB**
PREREQUISITE Completion of Honors Introduction to Calculus with a grade of “C” or better or teacher approval. Graphing calculator. An A.P. approved graphing calculator is required for this course (a TI 83 Plus or TI 84 is suggested)
GRADE LEVEL 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This course is a college level introductory calculus course designed to enable the student to pass the Advanced Placement exam in mathematics (Calculus AB exam) in order to receive college credit. *UC/CSU approved.*

COURSE **A. P. STATISTICS**
PREREQUISITE Completion of Integrated Math III with a grade of “B” or higher. An A.P. approved graphing calculator is required for this course (a TI 83 Plus or TI 84 is suggested)
GRADE LEVEL 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION The purpose of A.P. Statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:
1. Exploring data: Observing patterns and departures from patterns.
2. Planning a study: Deciding what and how to measure.
3. Anticipating Patterns: Producing models using probability theory and simulation.
4. Statistical Inference: confirming models.
This course is a college level introductory statistics course designed to enable the student to pass the Advanced Placement Exam in order to receive college credit. *UC/CSU approved.*

FINE ARTS DIVISION

MUSIC

COURSE	<u>CHAMBER ORCHESTRA</u>
PREREQUISITE	Participation in MS advanced or HS orchestra during the past 12 months or consent of the instructor
GRADE LEVEL	9, 10, 11, 12
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	Students will explore music and music-making through study, rehearsal and performance of a diverse repertoire of musical styles. Students will be provided access to enrichment activities through several school and community sources. <i>UC/CSU approved performing art course.</i>

COURSE	<u>CONCERT BAND/ MARCHING BAND</u>
PREREQUISITE	Participation in MS advanced or HS band during the past 12 months or consent of the instructor
GRADE	9, 10, 11, 12
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	Students will explore music and music-making through study, rehearsal and performance of a diverse repertoire of musical styles. The band will provide entertainment and spirit at concerts, parades, football games, and school rallies. Students will be provided access to enrichment activities through several school and community sources. <i>UC/CSU approved performing art course.</i>

COURSE	<u>MUSIC TECHNOLOGY</u>
PREREQUISITE	None
GRADE LEVEL	10, 11, 12
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	This course will explore the role of technology in musical applications. The course will include live sound production, recording techniques, computer-assisted composition, and audio production. A variety of software and hardware will be utilized. Prior experience in music is desirable, but not a prerequisite.

THEATER

COURSE	<u>DRAMA</u>
PREREQUISITE	None
GRADE LEVEL	9, 10, 11, 12
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	Drama is a participation course. Students are required to perform before the class audience in a variety of roles: monologues, skits, improvisations, pantomimes, duets and scenes. The emphasis will be on changing the student from a passive, accepting viewer into an active critical audience and actor. Written work is expected of the student on a regular basis. <u>May be taken twice for credit.</u> <i>UC/CSU approved performing art course.</i>

ART

COURSE **INTRO TO ART**

PREREQUISITE None

GRADE LEVEL 9,10,11,12

LENGTH 1 year

CREDIT 5 credits per semester

FEE \$40.00 material fee*

DESCRIPTION **INTRO TO ART** is designed for students who have been afraid of arts and crafts and for those who feel comfortable making art. Basic skills are taught in addition to more advanced techniques. Emphasis is placed on introductory units on drawing, color mixing, painting, stenciling, airbrush, pottery (hand building) and general craft design concepts. Students will learn that making arts and crafts can be fun and rewarding. **Transfer students and student with advanced skills** who wish to challenge this prerequisite for **DRAWING & PAINTING** or **2D DESIGN** need to demonstrate their artistic ability by showing 3 or more art pieces of different media (example; pencil, markers, paint). It is your responsibility to schedule a time to share your art before or during the first 3 days of the course and all challenges must be approved by Mr. Kelly. *Financial assistance is available for students requiring it. *UC/CSU approved visual arts course.*

COURSE **DRAWING & PAINTING**

PREREQUISITE **INTRO TO ART**

GRADE LEVEL 10, 11, 12

LENGTH 1 year

CREDIT 5 credits per semester

FEE \$40.00 material fee*

DESCRIPTION Students will have the opportunity to further their skill with drawing and painting. Drawing units will focus on interpretive and realistic graphite and ink drawing while the painting units will focus on acrylic, watercolor and silk painting. Students who complete this course will be prepared to create an AP Drawing Portfolio – **DRAWING & PAINTING** will be offered every other year – 2016, 2018, 2020. If possible, students are encouraged to take both **DRAWING & PAINTING** and **2D DESIGN**. *Financial assistance is available for students requiring it. *UC/CSU approved visual arts course.*

COURSE **2D DESIGN**

PREREQUISITE **INTRO TO ART**

GRADE LEVEL 10, 11, 12

LENGTH 1 year

CREDIT 5 credits per semester

FEE \$40.00 material fee*

DESCRIPTION Students will develop their 2 dimensional design skills. Art units will further their skills with airbrush, digital art, print making, mosaic art, collage and encaustic (wax) – students who complete this course will be prepared to create an AP 2D Design Portfolio – **2D DESIGN** will be offered every other year – 2017, 2019, 2021. If possible, students are encouraged to take both **DRAWING & PAINTING** and **2D DESIGN**. *Financial assistance is available for students requiring it. *UC/CSU approved visual arts course.*

COURSE	<u>AP STUDIO ART: 2D DESIGN/DRAWING</u>
PREREQUISITE	Grade of “B” or higher in DRAWING & PAINTING or 2D DESIGN and instructor’s approval
GRADE LEVEL	11, 12
LENGTH	1 year
CREDIT	5 credits per semester
FEE	\$40.00 material fee*
DESCRIPTION	AP Studio Art course is for the highly motivated student who wants to create a Drawing (or painting) or 2D Design Portfolio. This is an intensive college level course designed around each student creating a personally meaningful portfolio. This course is offered every year, and students may repeat this course for credit by creating an additional portfolio. Students may elect to submit their portfolio to national Advancement Placement College Board in early May with a chance of earning freshman Art college credit. Summer Projects are required and due the first day of class. *Financial assistance is available for students requiring it. <i>UC/CSU approved visual arts course.</i>

PHYSICAL EDUCATION DEPARTMENT

The Physical Education program is designed to meet the social, emotional, and physical needs of the student through a variety of activities. The Physical Education program fosters growth and development in the following areas:

- Movement skills and knowledge as well as skill acquisition through diverse activities
- Self-image, self-esteem, self-realization; character development
- Social interaction and interdependence; collaborative learning
- Skills and understanding to achieve and maintain lifetime fitness and optimal health

Students must earn a minimum of 20 units in Physical Education (State of California requirement). Physical Education is open to all students and is required for all freshman and sophomore students. All freshmen will be placed into a CORE program. In Core 9 P.E. students will take the State Physical Fitness Standards Test and must pass five out of six standards to pass the course. Students are required to pass the State Physical Fitness Standards Test in order to be exempt from junior and senior physical education courses.

Students can earn 5 credits each semester

Freshman Core (required) Sophomore

Elective (required)

Junior Elective (required if have not passed State Physical. Fitness Test)

Senior Elective (required if have not passed State Physical Fitness Test)

Students who have a long-term medical problem (exceeding 4-1/2 weeks) which excuses them from the regular Physical Education program should request a postponement from Physical Education during the current semester by presenting the doctor's statement of disability to the counselor each semester and enroll at a later date.

COURSE **PHYSICAL EDUCATION - CORE 9**
PREREQUISITE None
GRADE LEVEL 9
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Fitness/Individual Sports

Conditioning/Aquatics	Exercise to Music/Dance	Physical Fitness Testing/Golf
Weight Training/Self Defense/Wrestling	Tennis/Ultimate Frisbee	Track & Field/Badminton

The Fitness gram will be administered to all freshmen students during the spring semester.

COURSE **PHYSICAL EDUCATION - CORE 10-12**
PREREQUISITE Core 9 completed
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Fitness/ Team Sports

Basketball/Football/Soccer	Volleyball/Ultimate Frisbee	Softball/Lacrosse
Fitness/Weights	Wt. Lifting/training	Pickleball
Yoga/Stretching		

COURSE **PHYSICAL EDUCATION – Strength Training I**
PREREQUISITE Core 9 completed
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Resistance training, conditioning, weight lifting, jump rope, agility training

COURSE **PHYSICAL EDUCATION – Advanced Strength Training II**
PREREQUISITE Core 9 completed, Strength Training I completed or instructor approval
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Resistance training, conditioning, weight lifting, jump rope, agility training

COURSE **PHYSICAL EDUCATION - Dance**
PREREQUISITE Core 9 completed
GRADE LEVEL 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION Exercise to music, aerobics, stretching/yoga, dance technique; ballet, jazz, hip hop, Latin. Participation in performances will be part of the grade.

COURSE **SPORTS SPECIFIC TRAINING (BASKETBALL)**
PREREQUISITE Varsity letter in Sport or Instructors Approval
GRADE LEVEL 10, 11, 12
LENGTH Fall Semester
CREDIT 5 credits per semester
DESCRIPTION In depth Basketball on court training, Core, Weight and resistance training. Theory and strategy of the game.

COURSE **SPORTS SPECIFIC TRAINING (FOOTBALL, VOLLEYBALL)**
PREREQUISITE Varsity letter in Sport or Instructors Approval
GRADE LEVEL 10, 11, 12
LENGTH Spring Semester
CREDIT 5 credits per semester
DESCRIPTION In depth core, weight and resistance training. Theory and strategy of each sport. Sport specific drills to increase skills needed for the sport.

ADDITIONAL COURSE OFFERINGS

COURSE	<u>A.P. PSYCHOLOGY</u>
PREREQUISITE	Grades of B or better in previous history/English classes
GRADE LEVEL	10, 11, 12
LENGTH	1 year
CREDIT	5 <u>elective</u> credits per semester
DESCRIPTION	The A.P. Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with of the major subfields within psychology. All students who are willing to accept the challenge of a rigorous academic curriculum should consider signing up for this class. <i>UC/CSU approved.</i>

COURSE	<u>AVID (Advancement Via Individual Determination)</u>
PREREQUISITE	AVID teacher recommendation
GRADE LEVEL	9, 10
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	AVID is designed to prepare students, in an academic context, for entrance into four year colleges/universities. The emphasis will be on analytical writing, preparation for college entrance and placement exams, college study skills and test taking, note taking and research. Students will receive one hour of instruction per week in college entry level skills, three hours per week in tutor led study groups, and one hour per week in motivational activities and academic survival skills.

COURSE	<u>AVID 2 (Advancement Via Individual Determination)</u>
PREREQUISITE	AVID teacher recommendation
GRADE LEVEL	11, 12
LENGTH	1 year
CREDIT	5 credits per semester
DESCRIPTION	AVID is designed to prepare students, in an academic context, for entrance into four year colleges/universities. The emphasis will be on analytical writing, preparation for college entrance and placement exams, college study skills and test taking, note taking and research. Students will receive one hour of instruction per week in college entry level skills, three hours per week in tutor led study groups, and one hour per week in motivational activities and academic survival skills. The class will focus on SAT / ACT Prep as well as college visits and information in picking a college that fits a student's needs. <i>UC/CSU approved.</i>

COURSE **AP COMPUTER SCIENCE**

PREREQUISITE Integrated Math 3 with a B or better

GRADE LEVEL 11

LENGTH 1 year

CREDIT 10 credits

DESCRIPTION AP Computer Science is the equivalent of an introductory, one-semester, college-level course in computer science. The course emphasizes programming methodology with a focus on problem solving and algorithm development using the Java programming language. Specific topics include object-oriented design, program design and implementation, algorithm analysis, and standard data structures. Students will tackle long-term, large scale computer programming problems and are expected to take the AP Computer Science exam in May. *UC/CSU approved.*

COURSE **ENGLISH LANGUAGE DEVELOPMENT**

GRADE LEVEL 9, 10, 11, 12

LENGTH 1 Year

CREDIT 10 Credits

DESCRIPTION English Language Development (ELD) is designed for the English language learner who is placed in the course based on the California English Language Development Test (CELDT). This course stresses the development of language comprehension, production, grammar, and mechanical skills necessary to participate in mainstream courses. Students will practice all four domains for acquiring the English language: speaking, listening, reading, and writing with a strong emphasis on academic discourse for oral language development. In addition, this course will be aligned with the appropriate grade level English course based on student CELDT scores. This course will meet one year of the English requirement for PGHS graduation for students scoring a 2 or lower on the CELDT.

COURSE **HEALTH**
PREREQUISITE Required
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 semester
CREDIT 5 credits
DESCRIPTION This course includes programs on basic body systems, healthcare, drugs, alcohol, tobacco awareness, sex education, nutrition and exercise, suicide prevention, and decision-making skills. This is a state mandated course.

COURSE **LEADERSHIP**
PREREQUISITE GPA of 3.0, no “F’s” or suspensions. (**9th graders** must have been elected in 8th grade as officers for their Freshman year.)
GRADE LEVEL 9, 10, 11, 12 (required for class and ASB officers)
LENGTH 1 year
CREDIT 5 credits per semester
DESCRIPTION This course provides students an opportunity to learn, develop and implement leadership skills in communication, conflict resolution and service projects. Class and ASB officers are required to enroll, but the course is open to all students interested in making a difference at PGHS and planning to take a leadership role on campus. Class has many outside requirements including float building, early morning rally readies, shoe hall decorations, dance decorations, and staff breakfast preparations. Leadership is also in charge of the daily bulletin, and students will be taught various video production skills that include filming, editing and producing video packages, commercials and public service announcement. In addition, students are required to participate in fundraising, dress up days, and lunchtime class meetings. All students must sign a behavior contract indicating their desire to remain drug and alcohol free. Read the PGHS Constitution online at www.pghs.org before joining the class, for more information.

COURSE **SPECIALIZED ACADEMIC SUPPORT**
PREREQUISITE SPED, 504
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT 5 credits per semester (This class is Pass/No Pass and does affect eligibility)
DESCRIPTION Specialized Academic Support is designed to support students in their mainstream classes by providing extra help on homework and teaching skills including organization, time management, note taking and test taking.

COURSE **STUDY HALL**
PREREQUISITE Approval through Counselor (enrollment is extremely limited)
GRADE LEVEL 9, 10, 11, 12
LENGTH 1 year
CREDIT No credit (This class is Pass/No Pass and does affect eligibility.)
DESCRIPTION Study Hall is designed to give students a place to work on homework.

CAREER TECHNICAL EDUCATION

This is a program to increase training opportunities by offering part-time technical/vocational courses. Credits are applicable to high school graduation. Students in C.T.E. classes will receive career counseling. Enrollment is limited to 10th, 11th and 12th grade students. A part of some C.T.E. classes is on-the-job training. How much credit you receive is closely linked to your attendance. If you do get a job, you may continue to receive C.T.E. credits toward graduation.

OFFERED AT PACIFIC GROVE

CTE COURSE SEQUENCES – INFORMATION TECHNOLOGY
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Introductory 9th & 10th Grade	Capstone 11th & 12th Grade	MPC 2 year College
CSIS I Photo I Media Production Beginning Graphic Design	CSIS II CSIS III PHOTO II PHOTO III MEDIA PRODUCTION II	Computer Science CISCO Networking Computer Hardware & Repair Software Application Design Cyber Security E-Commerce Web Design & New Media 3D Auto CAD Design Animation Digital Arts/Illustration Video Game Design Robotics Advertising Marketing Services Business Management Graphic Design Visual Communications Video and TV Production Photography

COURSE	<u>CSIS I: INTRODUCTION TO COMPUTER SCIENCE</u>
PREREQUISITE	None
GRADE LEVEL	9, 10, 11, 12
LENGTH	Semester
CREDIT	5 (semester course)
LAB FEE:	\$30 per semester
DESCRIPTION	This course examines some of the fundamental ideas of the science of computing. Designed for Computer Science majors and non-majors. Students will be introduced to the concepts of networking, software, computer hardware and security; as well as programming languages like Python, C++, and Java. This course provides computer literacy and training through the use of web applications, and general office applications such as Word, Excel, and PowerPoint and an overview on the computer impact on society and the role of computers in everyday life and business. This class is articulated with MPC, students who take and enroll the CSIS 1 course at PGHS may qualify to receive MPC credits for the CSIS 1 course offered at MPC. (Must receive a “B” or better to qualify.)

COURSE **CSIS II: FOUNDATIONS**
(CSIS = COMPUTER SCIENCE & INFORMATION SYSTEMS)

PREREQUISITES Grade 'B' or better in CSIS

I GRADE LEVEL 10, 11, 12

LENGTH 1 Year

CREDITS 5 credits per semester

LAB FEE: \$30 per semester

DESCRIPTION This is a beginning course in robotics to explore the fundamentals in engineering and electronics. We will be utilizing Arduinos, Raspberry Pi and Lego Mindstorm. Students will learn how to program in Java, Python, and Lego Mindstorms. Students will also do programming using Arudino Software and EV3 software for the Lego Mindstorm. They will learn about the history of robots and basic concepts. Students will create individually designed projects utilizing programs in Adobe Creative Suit, AudoDesk Entertainment Suite (specifically Maya, 3ds Max, Softimage, Motionbuilder, Mudbox). The goal of this course is to develop in students the computational thinking or practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Student will be introduced to topics such as interface design, limits of computers, and societal and ethical issues. *UC/CSU approved*

COURSE **CSIS III: CAPSTONE**
(CSIS = COMPUTER SCIENCE & INFORMATION SYSTEMS)

GRADE LEVEL 10, 11, 12

LENGTH 1 Year

CREDITS 5 credits per semester

PREREQUISITES Grade 'B' or better in 'CSIS

II LAB FEE: \$30 per semester

DESCRIPTION Computer Science DSIS III is a year-long course, designed to continue with the lessons in computer programming from CSIS II. This course reinforces general computer science concepts with a focus on hands-on programming and problem solving. Programming concepts that are covered include variable types, operators, flow of control commands, arrays, interactive 2-D graphics, and the basics of object-oriented programming. CSIS III is a computer programming course. The purpose of the course is for students to use their creativity and imagination to come up with new features to add to their programs and then use their knowledge and skill in programming to implement these features. This course will help train students to think in the manner that is required to be successful in this technology driven world. Students will learn how to code a video game in Alice 2.0 and move on to 3.0. Students will also be encouraged to create projects using concepts learned in CSIS II with microcontrollers and programming. *UC/CSU approved*

COURSE **PHOTOGRAPHY I**

PREREQUISITE None

GRADE LEVEL 9, 10, 11, 12

LENGTH 1 year

CREDIT 5 credits per semester

FEE \$45.00 per semester *

DESCRIPTION This is an introductory level class appropriate any student curious about producing photographic art with applications to both the fine and commercial arts industries. Students will understand and apply concepts regarding image making mechanics and composition techniques in order to produce compelling imagery. Students will also gain an understanding of how photographic imagery has had an influence on society through historical study and practice. This is a hybrid technology class which will include projects using both traditional and digital cameras and printing techniques. Students will learn and practice projects involving digital imaging techniques using Adobe Photoshop. A 35mm film based SLR camera is required.

*Financial Assistance is available for students requiring it. See your counselor for more information. *UC/CSU approved visual art course.*

COURSE	<u>PHOTOGRAPHY II</u>
PREREQUISITE	Photography I
GRADE LEVEL	10, 11, 12
LENGTH	1 year
CREDIT	5 credits per semester
FEE	\$45.00 per semester *
DESCRIPTION	Building on concepts and skills learned in photography I, students will have the opportunity to deepen their understanding of how photographic imagery has and continues to shape our society through discussions, ideation, and practice. Through involved projects, students will create imagery that convey messages, tell stories, and persuade. Students will practice advanced darkroom and digital techniques, to produce unusual effects using both traditional and alternative processes. Digital imaging skills will be expanded upon in order to produce imagery frequently seen in both web and print media. Students will also gain an understanding of how careers have evolved and are available to them in the visual arts professions. A 35mm film based SLR camera is required. *Financial Assistance is available for students requiring it. See your counselor for more information. <i>UC/CSU approved visual art course.</i>

CTE COURSE SEQUENCES –PUBLIC SAFETY SERVICE

COURSE	<u>SPORTS MEDICINE 1</u>
PREREQUISITE	None
GRADE LEVEL	10, 11, 12; age 16 or older
LENGTH	1 year
CREDIT	5 credits per semester
CHARGE	\$50.00 per semester*

DESCRIPTION This course provides students with a fun and effective way of learning anatomy and applying that knowledge to the treatment of the most common sports injuries. The first semester covers the lower half of the body. The second semester encompasses the upper extremities and concussion management. This class exposes the students to the possibility of careers in health care through visiting surgeons, physical therapists and other medical professionals. Each year the students will visit a college and or professional facility to observe top level sports medicine and athletic training. In addition, this course provides students with manual taping, bracing and first aid skills, knowledge and familiarity in the areas of physical fitness, physical therapy, physical medicine and athletic training. Second year students are eligible for Sports Med 2 which involves internship and observation at various physical therapy and surgical sites.

COURSE	<u>SPORTS MEDICINE 2</u>
PREREQUISITE	Sports Medicine 1
GRADE LEVEL	11 or 12; age 16 or older
LENGTH	1 year
CREDIT	5 credits per semester
CHARGE	\$50.00 per semester

DESCRIPTION Utilizing knowledge and skills gained in Sports Med 1, students will obtain practical, hands-on work experience as team assistant trainers and through internships in health related fields such as physical therapy, physical medicine, nursing, radiology, strength and conditioning, nutrition and orthopedic surgery. Students will become CPR certified and engage in a variety of classroom and lab activities to promote job acquisition and leadership skills. The importance of work relationship development, professionalism and service are emphasized throughout the course.

Participating Local Clinics and Institutions:

- Monterey Peninsula College Adaptive PE and Rehabilitation – Mark Clements
- CSUMB Human Performance Lab – Dr. Kent Adams
- CSUMB Training Room – Dr. Kent Adams
- Monterey Joint and Spine – Dr. Chris Meckel
- Monterey Institute of Orthopedics and Sports Medicine – Dr. Michael Klassen
- Monterey Peninsula Surgery Center (surgical observation) – Lisa Catherword RN
- CHOMP Radiology (Job Shadowing) – Eric Lamonico, Dr. Joan Frisoli
- MPC Nursing (educational observation) – Samar Hage RN, Patti Nervino RN
- 360° Wellness & Physical Therapy – Fallon Hookailo, RPT
- Damon Anderson Physical Therapy – Damon Anderson, RPT
- Performance Physical Therapy – Kenny Peyton, DPT
- Balance Physical Therapy – John Faramond, DPT
- Soft Tissue Medical Center – Dr. Richard Tezak
- Pro Sports Performance – Trevor Howell, Paul Cater (Baltimore Orioles Strength Coach)
- In Shape Fitness – Buck Patton
- Bovine Fitness – Matt Lamarque
- MPC Fitness – Coach Daniel Phillips

CAREER TECHNICAL EDUCATION AT OTHER HIGH SCHOOLS

Pacific Grove High School students are able to take C.T.E. classes at Carmel High School and at the two high schools in the Monterey Peninsula Unified School District (Seaside High School and Monterey High School). Unfortunately, all three of these schools have school calendars and bell schedules that make it difficult for P.G.H.S. students to fit these “off campus” classes into their schedules. Below are listed the C.T.E. classes available off campus. **Please see your counselor for more information about how enrollment in one of these courses would affect your schedule.**

Administration of Justice
Auto Mechanics
Auto Technology 1 & 2
Bio Technology
Certified Nurse Assistant
Cinema Arts & Production
Computer Business Applications I
Computer Electronics
Computer Graphics
Computer Maintenance & Repair
Computers in Business I
Construction Technology
Coop Work Experience
CSI Forensics
Culinary Arts
Dance I, II & III
Digital Music
Digital Photo
Drama I & II
EMT
Graphic Design 1
Green Careers

Health Careers 1
Hospitality Management/Food Production
Hospitality/Tourism Intro to
Industrial Arts Introduction
to Engineering Mill Cab &
Furniture
Multi Media Film & Video
Photo I & II
Professional Actor Training
Retail Merchandise
Robotics 1
Robotics Engineering
Sports Med I & II
Stage/Studio I
Stagecraft
Technical Writing
Technical Writing-Newspaper
Technical Writing-Yearbook
Video Production
Working With Children
Yearbook

a-History/Social Science

World Geography
World History
U.S. History
Government
AP World History
AP U.S. History
AP Government

b-English

English 1
English 2
AP English Language and Composition
Honors English 1
Honors English 2
English 3/4 Sports Literature
English 3/4 Literature & the Dynamics
of Social Justice.
English 3/4 Poetry & Creative Writing
CSU Expository Reading & Writing
AP English Literature & Composition
English 3/4 Science Fiction & Dystopia
English 3/4 American Literature

c-Mathematics

Integrated Math I
Integrated Math II
Integrated Math III
Honors Integrated Math III/Trigonometry
Honors Introduction to Calculus
AP Calculus AB
AP Statistics

-Laboratory Science

Anatomy/Physiology
Physics
Biology 1
Chemistry
Honors Chemistry
AP Environmental Science
AP Physics C: Mechanics

e-Language Other than English

Spanish 1
Spanish 2
Spanish 3
Spanish 4
AP Spanish Language & Culture
AP French Language & Culture
French 1
French 2
French 3
French 4

f-Visual & Performing Arts

Intro to Art
Drawing & Painting
AP Studio Art: 2-D Design
Photography I
Photography II
Drama I
Marching/Concert Band
String Orchestra

g-Elective

AP Psychology
Economics
Honors Social Studies
Marine Science (UC Elective)
Earth & Space Science (UC Elective)
Computer Science & Info Systems CSIS II
Computer Science & Info Systems III CSIS III
AP Computer Science
AVID Senior Seminar (Avid 2)

Course Subjects		Grade 8		Grade 9		Grade 10		Grade 11		Grade 12	
		Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
A	U.S. History/Government - 2 years <i>Two years, including one year of world history, and one year of U.S. history, or one-half year of U.S. History and one-half year of American government</i>										
B	English – 4 years <i>Composition, Literature and other English courses designated as college preparatory.</i>										
C	Mathematics – 3 years <i>(4 years recommended UC/CSU) Algebra, Geometry, Algebra II, Pre-Cal, AP Calc, AP Stats or Int. Math I, Int. Math II, Int. Math III, Pre-Cal, AP Calc, AP Stats</i>										
D	Laboratory Science – 2 years <i>(3 years recommended UC) Biology and (chemistry or physics). In addition, CSU will accept either marine science or Earth and Space Science (not both)</i>										
E	Foreign Language – 2 Years <i>(3 years recommended UC) Two years in the same language.</i>										
F	Visual & Performing Arts – 1 year <i>Art, Photography, Drama, Band, Orchestra</i>										
G	College Preparatory Electives – 1 year <i>Courses from the a-f areas and honors social studies, psychology, economics, marine science, earth and space science</i>										