

Cerritos High School



Course Catalog

2019-2020

TABLE OF CONTENTS

General Information

TABLE OF CONTENTS.....	2
Cerritos HS Four-Year Academic Plan.....	3
Graduation Requirements	4
Policies, Procedures, and Services	5
Schedules, Grades, and Credits	6
University of California Admission Requirements.....	8
University of California Certified Course List	9
Course Selection Process.....	11
Changing Course Selections.....	12

Course Descriptions

Career and Technical Education Pathways.....	14
English Department.....	24
International Language Department.....	28
Mathematics Department.....	32
Math Flow Chart	36
Physical Education Department.....	37
Science Department.....	40
Social Science Department.....	43
Visual and Performing Arts Department.....	46
Other Courses	51
AP Recommended Summer Assignments.....	53

CERRITOS HIGH SCHOOL
FOUR-YEAR ACADEMIC PLAN

This sample plan aligns with Cerritos High School's goal that all students meet or exceed the requirements for both ABCUSD graduation and eligibility for admission to the University of California. Competitive college admission is best achieved by individualizing this plan as colleges seek to admit a dynamic and diverse group of students.

9th Grade English I CP **or** Honors
Math I **or** Math I Plus Honors **or** Accelerated Math **or** Math II **or**
Math II Plus Honors **or** Math 1A/1B
Bio. Med., Biology CP **or** Honors
International Language **or** Visual/Performing Art
Health/Futures **or** Pathway course **or** World His/Geog. MUN
Physical Education **or** Athletics

Summer Session Enrichment Classes /Activities Health or Math 1C

10th Grade English II CP or Honors
Chemistry CP **or** Chemistry Honors
Physical Education **or** Athletics, International Lang., **or** Vis./Perf. Art **or** Elective
or Pathway course
Math II **or** Math II Plus **or** Math III **or** Math III Plus Honors, Math IC, Math C II A
World His/Geog. CP or AP World History, MUN

Summer Session Internship, Study Abroad, College Courses, Service Projects, or Job

11th Grade English III CP **or** AP English Lang.
US History CP **or** AP US History, MUN
Adv. Topics in Biology **or** Physics CP **or** AP Physics I **or** AP Chemistry **or**
AP Biology **or** AP Environmental Science **or** Marine Biology
Math III **or** Math III Plus H **or** Intro to Calculus AP Calc. AB **or** Stats Reasoning
Two Electives: For. Lang. **or** Vis./Perf. Art **or** Pathway course **or**
other academic course

Summer Session Senior Application Workshops, Internship, Study Abroad, College Courses,
Service Projects, Job, or volunteer work

12th Grade English IV CP **or** AP English Lit. **or** Rhetorical/Creative Writing
Civics **and** Economics CP **or** Civics MUN **and** Economics MUN
Intro to Calculus **or** AP Calc. AB **or** AP Calc. BC **or** AP Statistics **or** Statistical
Reasoning
Adv. Topics in Biology **or** Physics CP **or** AP Physics I **or** AP Physics **or**
AP Chemistry **or** AP Biology **or** AP Environmental Science, **or** Marine Biology
Two Electives: Foreign Lang. **or** Vis./Perf. Art **or** other academic course
or Pathway course

Policies, Procedures, and Services

Course Offerings

All courses are offered according to ABCUSD School Board Policies, as well as, staffing and enrollment limitations. Course Recommendations for course enrollment represent years of experience and collective, professional expertise. They serve the dual purpose of maintaining high course standards and high levels of student achievement. Students should enroll in courses for which they are best qualified, keeping the Course Recommendation as the standard. It is highly encouraged to meet with a student advisor to discuss course enrollment.

Course Load & Drop/Change Policies

Cerritos High School is staffed to provide students with an annual load of six (6) academic courses. A senior student **may** enroll in fewer than six courses with administrative and parent approval. However, students **may not enroll in more than six academic courses**. If the schedule allows, a student may enroll in pathway courses (medical, engineering, computer science, engineering, teaching), Athletics, ASB, HS Band, Pep Squad, Journalism, Band, MUN IS, or other co-curricular activity as a seventh course if offered. *Per ABCUSD Board policy, all drops/changes to a student's schedule must be done within the first three weeks of the semester. Later course drops/changes may result in a "Withdraw – F" on the permanent transcript.*

Federal Program Monitoring

ABC Unified School District programs, activities, and student clubs are available to all persons without regard to actual or perceived ancestry, age, color, disability, gender, gender identity, gender expression, nationality, race, ethnicity, religion, sex, sexual orientation, or association with a person or a group with one or more of these actual or perceived characteristics or any other characteristic that is contained in the definition of hate crimes set forth in Section 422.55 of the Penal Code.

Promotion Policy

Students are promoted to the next high school grade level upon completion of required minimum credits. To earn credit for a course, a student must earn a grade of "D-" or higher. If students are deficient in credits, parents will be contacted to discuss credit recovery options.

Sophomore = 60+ credits **Junior** = 120+ credits **Senior** = 180+ credits

Graduation Status

At the beginning of 12th grade each student is given a transcript to check for mistakes. The transcript will include the coursework completed, credits earned, and the senior year schedule. Students and parents can always check transcripts online and contact Student Counselors with questions.

Counseling Services

Upon entering CHS, students are assigned a **School Counselor** to assist them with program planning, coordinate student support services, provide college and career guidance, and assist with personal and school problems. Students may make an appointment to see their Student Counselor by telephone, email, or in person at the front office. Cerritos HS also employs part-time **Counselors, School Psychologists, and Wellness Coordinators** to support students with personal or social challenges and to coordinate academic accommodation services.

College and Career Center Specialist

Our College and Career Specialist is our scholarship and financial aid expert. She helps students locate and apply for financial aid and scholarships. She also collects information on colleges, plans college fairs

and college admissions officers' visits to CHS, and maintains Naviance; our online college counseling/planning portal for students and parents.

In late summer, before students begin their 9th grade year, parents and students are invited to attend a **“New Family Orientation” meeting**. In the Spring of the 9th grade, students and parents are invited to attend a planning conference to discuss a high school academic plan. In grades 9 through 12, parent meetings are held as needed to review students; academic plans, assess student progress, and communicate college information. In grade 12, students and parents are assisted with the college application process and the transition to post-secondary education.

Viewing Classes Through Aeries

All current CHS students can view their classes through Aeries. If students are unsure if they have an Aeries account, they can check with any of our teachers or counselors. The steps are as follows:

1. Log on to your Aeries account
2. Select the “Student Information” tab
3. Select the “Course Requests” tab
4. For any course change request, please follow the directions as indicated in the “Change Course Selection” section in this course catalog

Schedules, Grades and Credits

Student Schedule Requirements

Students in grades 9-11 are required to enroll in six classes (60 credits/year). **With approval**, seniors working, with internships, or taking Community College courses may enroll in a minimum of five classes as long as they are on-track to graduate.

Course Credit Information and Make-Up Policy

In a typical course, a letter grade and transcript credit (5.0 credits/semester) are granted at the end of each semester. Some courses earn 2.5 credits per semester based on meeting fewer weekly class hours.

If a student fails a class, he/she must meet with his/her Student Counselor to plan for credit recovery.

Graduation: If a student has not met the minimum requirements for graduation due to a grade of “F,” he/she can make-up a class by completing one of the following options: ABC Adult School, Community College, UC/CSU-approved online course, or repeat Cerritos HS course (if possible).

UC/CSU Eligibility: All UC/CSU coursework used for eligibility requires a “C-” or better. If a student with a grade of “D” or “F” seeks to meet the minimum eligibility requirement for UC/CSU admission, he/she can make-up classes by completing one of the following options: Community College, UC/CSU-approved online course, or Cerritos HS repeat (if possible).

Incomplete Grades

A teacher may give an Incomplete grade, “I,” when a student misses a final examination or does not turn in required work due to confirmed illness, family emergency, or a reason beyond the student’s control. It is the responsibility of the student (or parent) to arrange with the teacher to complete the required coursework/examination by the end of the next grading period in order to receive a letter grade and course credit. For extended absences, a separate plan may be developed between the student/parent, teacher, and Student Counselor.

Once the student completes the required work, the teacher will remove the Incomplete, “I,” by filing the appropriate grade change form with the Counseling Office. If the coursework is not completed by the end

of the next grading period, the Incomplete will be converted to the letter grade the student would have earned with 'zero grades' for all assignments/examinations not completed.

Grade Correction Policy

The letter grade given to each student shall be the grade determined by the teacher of the course. The determination of the student's grade by the teacher, in the absence of error, shall be final (Ed. Code 49066). In the event of an error, corrections can be made within the first six weeks of the following semester. It is the responsibility of the teacher to submit a grade correction by the deadline. Any questions regarding a final grade should be immediately directed to the teacher of the course.

Repeating Courses

Students who repeat a course to improve a grade will not be awarded duplicate credits. Both grades will appear on the transcript, and both factor into the GPA calculation. However, only the repeated grade earns credit. Students repeating a course should meet with their Student Counselor to ensure they are on track in meeting graduation and UC/CSU requirements. The UC/CSU system will only accept repeat grades for courses to improve a "D" or "F" grade. Each college or university may treat grades earned in repeated courses differently.

University of California Admission Requirements

The subject requirements described below represent the minimum academic standards students must attain to be eligible for admission to the University of California system. ***Meeting the minimum eligibility requirements does not guarantee admission.*** Furthermore, admission to the campus and program of choice often requires students to meet more demanding standards. For current UC information, visit: www.ucop.edu/pathways

Subject Requirements (“A-G” Requirements)

15 units of high school and UC transferable courses fulfill the minimum Subject Requirements. At least 11 of the 15 units must be completed prior to 12th grade, and at least 7 of the 15 units must be taken in the last two years of high school (1 unit = 1 academic year = 2 semesters). To be accepted by the University, these courses must appear on the official University of California Certified Course List of the school the student attended.

- a. History/Social Science:** *2 years required*
Two years of history/social science, including one year of *U.S History or one-half year of U.S History* and one-half year of *Civics or American Government*; and one year of *World History, Cultures, and Geography*.
- b. English:** *4 years required*
Four years of college preparatory *English composition and literature*.
- c. Mathematics:** *3 years required, 4 recommended*
Three years of college preparatory mathematics, including the topics in *elementary and advanced algebra* and *two- and three-dimensional geometry*.
- d. Laboratory Science:** *2 years required, 3 recommended*
Two years of laboratory science providing fundamental knowledge in at least two of these three disciplines *biology (which includes anatomy, physiology, marine biology, etc.), chemistry, and physics*.
- e. Languages other than English:** *2 years required, 3 recommended*
A minimum of two years of the same language taken sequentially (example: Spanish II, Spanish III)
- f. Visual and Performing Art:** *1 year required*
One year of *drama/theatre, music, or visual arts*. These courses must contain a creative or performance component.
- g. College Preparatory Elective Courses:** *1 year required*
One year, in addition to those required in “a-f” above, chosen from the following areas: *visual and performing arts, history/social science, English, advanced mathematics, laboratory science, or languages other than English*.

University of California Certified Course List for Cerritos High School

- ✓ **Underlined** courses taken in grades 10-11 receive honors weighting (one extra grade point for grades of “C” or better)
- ✓ Students may earn a maximum of 8 semesters (4 one-year classes) of honors weighting in grades 10-11 for purposes of UC GPA calculations
- ✓ Students must earn a grade of “C” or *better* in the courses below in order to meet UC Subject Requirements.

a. HISTORY/SOCIAL SCIENCE

World History/Geography (CP), World History/MUN (H), AP World History, Modern History MUN, U.S. History/Geography (CP), AP U.S. History, Civics, AP Government and Politics

b. ENGLISH

English I (CP or H), English II (CP or H) English III (CP), English IV (CP), Rhetorical & Creative Writing, AP English Language, AP English Literature, English Adv. ELD

c. MATHEMATICS

Mathematics I, Mathematics I Plus Honors, Accelerated Math I/II, Mathematics II, Mathematics II Plus Honors, Mathematics III, Mathematics III Plus Honors, Pre-Calculus, Introduction to Calculus, Statistical Reasoning, AP Calculus AB, AP Calculus BC, AP Statistics

d. LABORATORY SCIENCE

Biology (CP or H), PLTW Principles of Biomedical Science, Chemistry (CP or H), Advanced Topics in Biology, Physics (CP), PLTW Medical Interventions, PLTW Human Body Systems, AP Biology, AP Chemistry, AP Physics 1, AP Physics-C

e. INTERNATIONAL LANGUAGE

Chinese I (CP or H), Chinese II (CP or H), Chinese III (CP or H) Chinese IV (CP or H), AP Chinese Culture and Language, Filipino I, Filipino II, Filipino III, Filipino IV, French I, French II, French III (CP or H), French IV, AP French Language and Culture, Japanese I (CP or H), Japanese II (CP or H), Japanese III (CP or H), Japanese IV (CP or H), Korean I, Korean II, Korean III (CP or H), Korean IV (CP or H), Spanish I (CP or H), Spanish II (CP or H), Spanish III (CP or H), Spanish IV, AP Spanish Culture and Language

f. VISUAL & PERFORMING ARTS

Advanced, Concert Choir, Art I, Art II, Art III, Ceramics I, Ceramics II, Ceramics III, Yearbook, Drama, Film Studies, Intro to Film and Video Production, Intermediate Film and Video Production, TV Broadcasting, Music Appreciation, Piano I, Piano II, Drama, Stagecraft, Theatre Lab

g. ELECTIVE COURSES (all courses listed above, plus the following)
AVID 9, AVID 10, AVID 11, AVID 12, AP Computer Science Principles,
AP Computer Science A, Economics CP, Futures, Psychology, AP Psychology, Sports Medicine I,
Sports Medicine II, PLTW, Intro to Engineering, PLTW Principles of Engineering, Engineering Design
and Development, PLTW Aerospace Engineering, PLTW Engineering Design and Development,
Journalism II, Marine Biology, Pharmacy Clerk, Pharmacy Technician, Student Government (ASB)

****This list will be updated and finalized in September 2019 based on the UC approvals granted
for the actual courses offered in 2019-2020 and/or student course enrollment****

Course Selection Process

Course Registration for the 2019-2020 school year begins the last week of February 2019.

* Student/Parent registration meetings are hosted in the College and Career Center at 6pm as follows:

Student/Parent registration night by grade level:	Registration window per grade level:	Grade level registration deadline to have courses in to counselor:
New 11 th Grade Students	2/19/19-2/22/19	March 15, 2019
New 12 th Grade Students	2/25/19-3/1/19	March 8, 2019
8 th to 9 th Grade Students	3/4/19-3//8/19	March 15, 2019
New 10 th Grade Students	3/11/19-3/15/19	March 22, 2019

Required Courses

Required courses, by grade level, are indicated on students' registration cards

Elective Choices

Students select their elective courses to meet graduation requirements and their post-graduation plan. Additionally, CHS recommends students choose electives they are meaningful to them based on their personal interests.

Alternate Choices

Students may have the opportunity to change their elective course(s) once per school year. These changes must be written on the course registration card in order to be considered.

Late Registration

Counselors will meet individually with students who were unable to register for classes. For students who do not attend their scheduled counselor registration meeting, their classes will be input by their counselor. If course changes are desired, please follow the directions in the "Changing Course Selections" in this course catalog.

Changing Course Selections

The master schedule is created, annually, based on students’ needs and desires. In this way, the master schedule is established to strive to provide students with their first course choices. Late changes may not be possible, and will receive lowest priority for enrollment. Students must complete a Change Request Form, available in the office, to be considered for any course change. Efforts will be made to contact students for input regarding most changes. Counselors may change student course selections as noted below:

Reason:	Result:
Too few students sign up and course isn’t offered	You will be placed in an alternate course
You do/don’t qualify for Pep, ASB, Colorguard, Yearbook, or Athletics team by try-out	Your instructor will let the Advisors know who has qualified and they will make the needed changes
June grades show that you now meet a course level recommendation	Contact your Advisor immediately to enroll you in the desired course
June grades show that you <u>do not</u> meet a course level recommendation	You may be placed in an alternate course

- * Students will be contacted, during the summer, to resolve any final scheduling issues
- * Students will receive their Program Verification List of Courses in August during their grade-level pick-up day. Counselors are available to correct scheduling problems at this time.
- * Students will receive their schedules on the first day of school

Additional Course Information

- It is recommended that students meet all course recommendations to support student success
- Students may repeat courses at CHS only if there is room, after first-time requests are filled
- In order to balance classes and meet the graduation needs of all students, involuntary schedule changes may occur until October 15th. Matching all students to courses needed is our highest priority. The scheduled order of classes or assigned teachers is not guaranteed. Furthermore, changes in classes to accommodate a student’s preference for teacher or schedule will not be made. A conference with the current teacher, the student, and the parent may be scheduled to resolve concerns
- **Classes dropped after the announced “Course Change Deadline”** may earn a “Withdrawal/ F” grade which will be computed into the student’s grade point average
- **Enrollment into new classes must be made by “Course Change Deadline,”** except for extenuating circumstances approved by an administrator

- **Changes in the level of a class** (e.g. AP to Honors, Honors to CP) may be requested. Changes will be made only with the approval of the student, teacher, Department Chairperson, parent, Student advisor, Principal or Designee, and only if space is available

Athletics Changes

Athletic changes will be made under the directions of the Athletic Director(s), the administration, and in accordance with the established protocols as outlined in the Athletic Packet in this course catalog.

Career and Technical Education Pathways

Biomedical Pathway (Project Lead the Way)

Principles of Biomedical Science Honors (#7689) Grades: 9, 10

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. This course meets the UC "D" Lab science requirement.

Human Body Systems Honors (#7756) Grades: 10, 11

Recommendation: Completion of Principles of Biomedical Science Course

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This course meets the UC "D" Lab science requirement.

Bio-Medical Intervention Honors (#7757) Grades: 11, 12

Recommendation: Completion of Human Body Systems

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat diseases. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course meets the UC "D" Lab science requirement.

Year 1	Year 2	Year 3
Principles of Biomedical System H (#7689) Introductory Course	Human Body Systems H (#7756) Concentrator Course	Bio-Medical Interventions H (#7757) Completer Course
Concurrent Enrollment Recommended: Introduction to Medical Careers and Health (#7071) See page 18 for course details) (If space is available)		

Education Pathway

Careers in Education/Child Development (#7111) Grades: 10, 11

Recommendation: Students must be ‘on-track’ to graduate (not behind credits) as college level coursework is included in the program

This class introduces students to careers in the educational field. Students will work in classrooms with teachers and their students in preschools, elementary schools, and high schools, including classes for students with special needs. Students will learn about children and adolescents in the areas of physical, intellectual, emotional and social growth and development. Students will learn and practice instructional methods, classroom management, lesson planning and assessment. Students will identify ways to create a classroom environment that will stimulate learning and achievement. This class includes both classroom instruction and on-the-job training opportunities.

Introduction to Teaching (#1220) Grades: 11, 12

Recommendation: Completion of Introduction to Teaching or Teacher Approval

This class includes two semester long courses for college credit. Semester courses focus on Elementary and Secondary teaching strategies and integration of technology into teaching pedagogy.

Year 1	Year 2
Careers in Education/Child Development (#7111) Introductory Course	Introduction to Teaching (#1220) Completer Course

Engineering Design Pathway

Introduction to Engineering Design Honors (PLTW) (# 7748) Grades: 9, 10

Recommended: Due to the mathematical content of this course, and the subsequent courses, it is recommended that students either have completed Math I or Adv. Math 8, or be concurrently enrolled in Math I Plus H

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. This course meets UC “G” elective credit and earns Cerritos College credit for a B or better.

Principles of Engineering Honors(PLTW) (#7754) Grades: 10, 11

Recommendation: Successful completion of Intro to Engineering Design

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in programming, problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. We build robotic machines! Prerequisite: Completion of IED. This course meets UC “G” elective credit and earns Cerritos College credit for a B or better.

Engineering Design and Development Honors (#7760) Grades: 11, 12

Recommendation: Completion of both Intro. to Eng. Design and Principles of Eng.

This capstone course in the PLTW engineering program is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. EDD should be taken as the final PLTW course since it requires application of the knowledge and skills introduced during the PLTW foundation courses.

OR

Aerospace Engineering (PLTW) Honors (#7693) Grades: 11, 12

Recommendation: Completion of both Intro. to Eng. Design and Principles of Eng.

This course propels students’ learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

Year 1	Year 2	Year 3
<p style="text-align: center;">Introduction to Engineering Design H PLTW (#7748)</p> <p style="text-align: center;">Introduction Course</p>	<p style="text-align: center;">Principles of Engineering H PLTW (#7754)</p> <p style="text-align: center;">Concentrator Course</p>	<p style="text-align: center;">Aerospace Engineering H PLTW (#7693)</p> <p style="text-align: center;">Or</p> <p style="text-align: center;">Engineering Design and Development (#7760)</p> <p style="text-align: center;">Completer Course</p>

Healthcare Operational Support Services Pathway

Introduction to Medical Careers and Health (#7071) Grades: 9, 10

This course integrates rigorous college preparatory Medical Terminology and the Career Technical Education pathway of Therapeutic services within the Health Science and Medical Technology sector. Students will use medical terminology in communicating their research on trends in substance abuse and how it impacts both our healthcare system and society. In preparation for university-level work, students will explore therapeutic care concepts such as quality assurance, HIPPA confidentiality regulations, analyzing biostatistics, infection control and ethical or moral dilemmas stemming from opposing forces within hospital administration.

Pharmacy Clerk (#7101) Grades: 10, 11

Recommendation: A “C” grade or better in Introduction to Medical Careers course

As a part of the medical pathways, this course is an introductory level class where students will gain basic medical knowledge and terminology. This course is a prerequisite for the Pharmacy Technician course.

Pharmacy Technician (#7102) Grades: 11, 12

Recommendation: A “C” grade or better in Pharmacy Clerk course

This course is designed to prepare students for employment in a pharmaceutical setting. The class consists of theory and clinical preparation to include: medical terminology, anatomy and physiology, pharmaceutical settings, duties and responsibilities of a pharmacy technician and pharmacist, pharmacy law, pharmaceutical terms, abbreviations and symbols, metric and apothecary systems, drug requirements, record-keeping, dispensing prescriptions, knowledge of manufacturing, packaging, and labeling of drug products. At the successful completion of this course, students will be qualified to apply for their pharmacy technician license with the California State Board of Pharmacy. Students will also be eligible to take the Pharmacy Technician Certification Exam and become nationally certified. Students will perform community classroom activities while under the direct supervision of a pharmacist. The competencies in this course are aligned with the California High School Academic Content Standards and the California Career Technical Education Model Curriculum Standards.

Year 1	Year 2	Year 3
Intro. to Medical Careers and Health Course #7071 Introduction Course	Pharmacy Clerk Course # 7101 Concentrator Course	Pharmacy Technician Course #7102 Completer Course

OR

Introduction to Medical Careers and Health (#7071) Grades: 10, 11

This course integrates rigorous college preparatory Medical Terminology and the Career Technical Education pathway of Therapeutic services within the Health Science and Medical Technology sector. Students will use medical terminology in communicating their research on trends in substance abuse and how it impacts both our healthcare system and society. In preparation for university-level work, students will explore therapeutic care concepts such as quality assurance, HIPPA confidentiality regulations, analyzing biostatistics, infection control and ethical or moral dilemmas stemming from opposing forces within hospital administration.

Sports Medicine and Athletic Training I (#0303) Grades: 11, 12

Sports Medicine will cover the anatomical and physiological effects of injuries to the human body, prevention, recognition and treatment of injuries, the history of sports medicine and athletic training, members of the sports medicine team and their roles and responsibilities, HIPPA and bio-ethics. Laboratory activities include the function and identification of bone, muscle, ligament, tendon, vascular and neurological involvement. How the use of hot and cold, mechanical and electrical modalities physiologically affect the natural healing process

Sports Medicine and Athletic Training II (#7603) Grades: 10-12

Recommendation: Completion of Sports Medicine and Athletic Training I

This capstone course prepares students within a specific career in the various areas of patient care that will enable them to complete the requirements for licensure, certification, or other industry recognized credentials; or students are prepared to enter into postsecondary education or training programs in the selected Patient Care pathway. If applicable, course content will provide the knowledge, industry skills and leadership development consistent with legislative requirements and the level of proficiency to perform skills within their identified scope of practice specific to employment.

Year 1	Year 2	Year 3
Intro. to Medical Careers and Health	Sports Med. I	Sports Med II
Course #7071	Course # 0303	Course #7603
Introduction Course	Concentrator Course	Completer Course

Production and Managerial Pathway

Introduction to Film and Video Production (#5021) Grades: 9, 10

This course introduces and trains students in concepts and principles used in the film and video production industries. The course will consist of technical training on production equipment and application of learned skills through a variety of projects. In addition, students will also learn historical perspectives and analyze American & International film and television from a variety of artistic works. This course exposes students to the basics of visual storytelling through the creation of storyboards, script writing, basic shot types, camera movements, lighting, audio and editing techniques. Students will have opportunities to learn the skills necessary for entry level jobs within the industry, such as: Producer, Director, Writer, Cinematographer, Camera Operator, Audio Engineer, Script Supervisor, Editor, and more. This class is the introductory course in the CTE Media Arts pathway.

Intermediate Film and Video Production (#1621) Grades: 10, 11

Recommendation: Completion of Intro. to Film/Video Production Course

This course builds upon technical and organizational film and video production skills and concepts learned in the introductory course (video 1). In this advanced course, students will largely be exposed to the concept of ENG (Electronic News Gathering), as they contribute to the production of the biweekly campus news show, AHS Report. Utilizing technical skills and principles of Broadcast Journalism, students will plan, coordinate, write, shoot, edit and finally deliver news segments for the show. In addition, students in this class will learn aspects of live TV studio production as they assume crew positions on the actual studio production of the AHS Report show. Students will have the opportunities to learn the skills necessary for entry level jobs within the industry, such as: Producer, Director, Reporter, Writer, Cinematographer, Camera Operator, Audio Engineer, Editor, and an array of TV studio crew positions (Director, Technical Director, Assistant Director, Audio Engineer, Floor Manager, Gaffer, etc). This class aims to rec

TV Broadcasting (#1622) Grades: 11, 12

Recommendation: Completion of both Intro. and Interm. to Film/Video Production courses

This course builds upon technical and organizational film and video production skills and concepts learned in the introductory course (video 1), as well as the intermediate video course (video 2). In this top level advanced course, students will largely be exposed to the concept of EFP (Electronic Field Production), as they contribute to the production of the monthly variety entertainment show, ATV. Utilizing technical skills and principles of episodic television production, students will plan, script, cast, shoot, edit and finally deliver skit-based segments for the show. Being the most advanced course in the Media Arts pathway, high emphasis is placed on the student producer to be able to self-manage productions from concept to completion. Students will continue to develop the skills necessary for entry level jobs within the industry, such as: Producer, Director, Actor, Writer, Cinematographer, Camera Operator, Audio Engineer, Editor, and more. This class aims to recreate real-life working situations of scripted, episodic TV development, and is the level 3 capstone course in the CTE Media Arts pathway.

Year 1	Year 2	Year 3
Intro. to Film/Video Prod.	Interm. Film/Video Prod.	TV Broadcasting
(#5021)	(#1621)	(#1622)
Introductory Course	Concentrator Course	Completer Course

Software and System Development Pathway

Computer Science Essentials (formally known as Intro. to Computer Science)

(#5699)

Grades: 9,10

Recommendation: To support the reasoning required for the course, prior completion of Math I is strongly recommended

This course introduces students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing on particular software tools or programming languages, the course focuses on the conceptual ideas of computing and helps students understand why certain tools or languages might be utilized to solve particular problems. The goal is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to their lives. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

AP Computer Science Principles (#4467)

Grades: 10, 11

Recommendation: Completion of Intro to Computer Science

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

AP Computer Science A

(#4524)

Grades 11, 12

Recommendation: Completion of Intro to Computer Science and AP Computer Science

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. The main programming language studied is Java, and the course also includes the study of data structures, design, and abstraction.

OR

Cyber Security

(#????)

Grades: 11, 12

Recommendation: Completion of Computer Science Essentials and AP Computer Science Principles

Project Lead The Way (PLTW) Cyber Security focuses on the application of Computer Science and Information Technology (IT) security techniques within a business setting. The course is intended as an overview and introduction to many elements of security as they apply to a company or organization's computer networks, including traffic and communication that passes through the internet. Major topics of study will include Information Security, Security Algorithms, Data Abstraction, Computer Systems and Networks, Threat Investigation, Industry Standard Tools, and Professional Skills. There is a strong emphasis on ethics in this course, as it is intended as an entry point for those wishing to pursue a security career within the Computer

Science and IT professions. This course is a capstone (11th-12th grade) course in the Computer Science Pathway.

<u>Introductory Course</u>	<u>Concentrator Course</u>	<u>Completer Course (Option #1)</u>	<u>Completer Course (Option #2)</u>
Intro. to Computer Science	AP Computer Science Principles	AP Computer Science A	Cyber Security

English

English I CP (#1012) Grade: 9

This course embodies the study of genre in American and World literature. It incorporates participants in an integrated study of readings that will motivate word analysis, systematic vocabulary development, fluency skills, speaking and listening skills, as well as, writings that employ rhetorical modes of narration, exposition, persuasion and those of literary criticism. Students will also engage in formal, thesis-oriented research assignments.

English I Honors (#1013) Grade: 9

Recommendation: An “A” grade in both semesters of English 8 or a “B” grade in both semesters of English 8 Honors

In addition to the curriculum taught in the CP level course, English I Honors offers advanced techniques in literary analysis, composition, and research. Curriculum includes speech, high-level vocabulary development, and grammar usage. Students will learn research strategies and utilize technology for presentations, assignments, etc.

English II CP (#1022) Grade : 10

This course involves the study of selected pieces of World literature as a foundation for developing skills in fluency, vocabulary development, reading, writing, listening, and speaking standard English. Students will demonstrate the ability to apply prior knowledge of word origins to determine the meaning of new words encountered in reading materials and use of those words accurately. Students will demonstrate the ability to read, analyze, and write effective exposition. Students will demonstrate the ability to articulate a position and defend it using the strategies demonstrated in selected persuasive pieces. Students will demonstrate the ability to read, analyze, and reflect upon significant ideas through carefully chosen stylistic devices in selected texts.

English II Honors (#1023) Grade: 10

Recommendation: An “A” grade in both semesters of English I CP or a “B” grade in both semesters of English I Honors

In addition to the curriculum taught in English II CP, this class consists of intense reading and critical analysis of a broad range of literary works with an emphasis on multicultural literature. Students will learn to analyze short stories, poetry, non-fiction, biography, and novels. Additionally, students will learn to write at a level which will prepare them for university level coursework.

English III CP (#1032) Grade: 11

This course focuses on the study of selected genres from American Literature. It will incorporate participation in an integrated study of readings that will motivate speaking and listening, as well as, writings which employ rhetorical modes of narration, exposition, persuasion, and literary criticism.

English IV CP (#1043) Grade: 12

This course provides students with an overview of literary periods in British Literature starting with Medieval Anglo-Saxon Literature and continuing through the Modernist period into contemporary literature. Students will read, analyze, and discuss works from each of these literary

periods, along with articles and other resources that provide historical, cultural, and political context for literary works. Students are expected to write extensively, including author profiles, analytic essays, creative writings, and research papers. The course provides the opportunity for students to engage with literature and practice writing in a number of different formats, and to gain familiarity with some of the great writers, and works of British Literature.

AP English Language (#1034)

Grade: 11, 12

Recommendation: An “A” or “B” grade in both semesters of English II H OR and “A” grade in both semesters of English II CP or English III CP

This course prepares students for successful performance on the AP Language and Composition Exam through language analysis, effective writing strategies, and critical reading skills. The course includes a study of non-fiction, literary classics, and other prominent nonfiction works, vocabulary building, and a research project.

AP English Literature (#1044)

Grade: 12

AP Literature is designed to satisfy the requirements for an upper division high school English class and to maximize a student’s score on the AP English Literature and Composition exam in May. The student will develop college-level thinking, reading, and writing skills while studying advanced literary works including novels, plays, short stories, and poetry. This class is intended for the mature, literary-minded student who would welcome, even relish, a heavy load of fictional reading.

Rhetorical & Creative Writing (#1191)

Grade: 12

This course enhances students’ rhetorical and creative writing skills as well as students’ ability to understand the nuances of professional writing. Students spend the first quarter in intensive essay writing "camps" focusing on writing for the college audience whether it be in admissions or scholarships. Students will be involved in close reading activities as they analyze professional and personal publications and work within a number of different writing genres, including memoir, narrative, poetry, flash fiction, and more. Special attention is paid to strategies for revising and editing, and students will work both individually and collaboratively. Students will make their work public through oral readings, publication, and are encouraged to submit their work to various writing competitions, and scholarship opportunities.

English IV/CSU Expository Reading/Writing Composition (ERWC) (#1218) Grade: 12

Recommendation: Students who have earned a qualifying score on the Early Acceptance Placement (EAP) assessment are the primary demographic for the ERWC course, and have priority regarding registration and course enrollment. This course is highly encouraged for students planning to transfer to a 2-year college or 4-year California State University.

The goal of the Expository Reading and Writing Course (ERWC) is to prepare high school students for the literacy demands of higher education. Through a yearlong course consisting of a sequence of rigorous instructional modules in 12th grade, students develop proficiency in expository, analytical, and argumentative reading and writing. The cornerstone of the course—the ERWC Assignment Template—presents a scaffolded process for helping students read, comprehend, and respond to nonfiction and literary texts. Students successfully completing the modules develop skills, knowledge, processes, and dispositions in the following areas of academic literacy: reading rhetorically, writing rhetorically, listening and speaking rhetorically,

and habits of mind. The modules are aligned with the Common Core State Standards for English Language Arts and Literacy (CCSS for ELA/Literacy). In addition, students who successfully complete the ERWC course during their senior year do not need to take written entrance exam for most California Community Colleges and all California State Universities.

English Related Elective Courses

****The following courses earn Elective credit only. They are not counted as “English” for either ABCUSD or UC/CSU credit purposes****

Desktop Publishing Yearbook Design (#1797) Grades: 9 - 12

Requirement: A “C” grade of better in previous English Course and Yearbook teacher approval

Yearbook revolves around the production of a 200 plus page book of memories. Students are involved from start to finish in all elements of desktop publishing including Adobe Photo shop, Adobe Illustrator and InDesign. They brainstorm theme ideas, create layouts, sell personal advertisements, take photographs, and develop graphic design skills. Yearbook provides students with opportunities to be leaders, artists, writers, salespeople and photographers.

Film Studies (#1570) Grades: 10-12

Recommendation: Successful completion of English I

Film studies is a UC approved visual/fine arts course. In this class, students will become critical viewers of genres of film. They will study how narration, visual design, cinematography, editing, music, and sound are used to create meaning in a film. The course will cover the history of cinema along with the artistic, technological, economic, and social changes that have occurred over the last 100 years. There is no textbook for the course. Students will learn how to “read” a film as they will watch over 30 of the greatest films in class. They will participant in group projects, write a screenplay, and make their own short film.

Journalism I (#1601) or Journalism II (#1617) Grades: 10-12

Requirement: Successful completion of previous English course

Journalism students are responsible for the production of the Cerritos High School online newspaper, *the Informer*. As part of the news staff, students will learn writing and photography styles specific to journalism, which includes editing for clarity and effect. As news reporters, students will learn how to gather information, interview sources, edit content, and design story layouts. Students will also learn desktop publishing using InDesign and PhotoShop on the Macintosh computer

English Language Development

Universities grant one year of credit for enrollment in English Language Development (ELD) Advanced. English Language Learner (ELL) students planning to apply to 4-year colleges/universities may need to attend summer school. Please see your student counselor for information.

Academic English I (#1050) and Academic English II (#1052)

Recommendation: Placement based on English proficiency level as determined by ELPAC scores, CAASPP scores, and grade in previous ELD or English course.

Concurrent enrollment in both courses is required

This course is based on the California English Language Development Standards. It is designed for Emerging English Learner students. Emphasis is on foundations for oral communication and literacy.

Academic English Elective (#1051) and Academic English II Elective (#1053)

Recommendation: Placement based on English proficiency level as determined by ELPAC scores, CAASPP scores, and grade in previous ELD or English course.

Concurrent enrollment in both courses is required

This course is based on the California English Language Development Standards. It is designed for Expanding English Learner students. Emphasis is on strengthening oral communication, literacy, and composition skills, incorporating the writing process.

English Advanced ELD (#1054) _____ Grades: All

Recommendation: Placement based on English proficiency level as determined by ELPAC scores, CAASPP scores, and grade in previous ELD or English course

This course is based on the California English Language Development Standards. It is designed for Bridging English Learner students. Emphasis is on fluent and varied oral communication and composition skills, integrating with the grade level English CP course. Content from English, Science, Mathematics, and Social Studies support the basis for analysis and use of critical thinking skills.

International Languages

Please Note:

1. Native speakers of a language other than English must take an initial placement assessment in the spring. This will help to place students in the right course level.
2. A level transfer to a CP course may be recommended for students in an Honors level course who earn a semester grade below 70%.
3. International language courses are year-long class. Therefore, students may not transfer from one language to another mid-year.
4. All Chinese language classes include instruction in reading and writing traditional/simplified characters and basic pinyin system.
5. All Japanese classes include instruction in reading and writing the katakana syllabary and basic level kanji.
6. Students taking Korean, for the first time, will take a written placement test to determine course level. Students who have attended school in Korea past the 3rd grade may be placed in Korean II.

Level I:

Chinese	#2020
Filipino	#2128
French	#2051
Japanese	#2071
Korean	#2038
Spanish	#2101

This course provides students with opportunities to develop basic proficiency skills in the target language in the areas of reading, writing, listening, and speaking. Students will demonstrate their mastery of these modalities in the context of thematic units and will incorporate the study of culture into the curriculum.

Level I- Honors

Chinese	2021
French	2065
Japanese	2079
Korean	0000

Recommendation: An “A” grade in both most recent CP English, or “B” in honors classes, enrollment in a Level I language, and the teacher’s recommendation for a honor level course change

This course covers the Level I curriculum in greater depth. In addition, all students are expected to complete an honors project, which will demonstrate their mastery of the target language.

Level II

Chinese	2022
Filipino	2130
French	2052
Japanese	2072
Korean	2039
Spanish	2102

Recommendation: An “A” grade in Level I of the language or a “B” grade in Level I Honors

This course covers the Level II curriculum in greater depth. In addition, all students are expected to complete an honors project, which will demonstrate their mastery of the target language.

Level II - Honors

Chinese	2023
French	3029
Japanese	2076
Korean	2036
Spanish	2106

Recommendation: An “A” grade in Level I of the language or “B” in Level I Honors

This course covers the Level II curriculum in greater depth. In addition, all students are expected to complete an honors project, which will demonstrate their mastery of the target language.

Level III

Chinese	2017
Filipino	2132
French	2053
Japanese	2073
Korean	2040
Spanish	2103

Recommendation: A “C” grade or better in Level II of the language

This course is designed to further increase students' proficiency and competency in understanding, speaking, reading, and writing the language. More sophisticated grammatical structures will be introduced at this level.

Level III – Honors

Chinese	2018
French	2059
Japanese	2077
Korean	2035
Spanish	2107

Recommendation: A “C” grade or better in Level II Honors of the language or Department approval

This course is designed to improve proficiency in listening, speaking, reading, and writing. Students also expand their knowledge of appropriate cultural behaviors. Advanced vocabulary and grammatical structures are introduced. In Japanese, *kanji* study is continued.

Level IV

Chinese	2012
Filipino	2134
French	2058
Japanese	2074
Korean	2041
Spanish	2104

Recommendation: A “C” grade or better in Level III of the language

This course increases the student's proficiency in understanding, speaking, reading, and writing, while exploring contemporary issues, fine arts, and literature. Expression will be more varied and sophisticated, incorporating idiomatic expressions, while demonstrating greater mastery of more complex language structure. Korean IVH will also prepare students to take the NEWL (National Examination in World Language Korean) exam.

Level IV Honors

French	2060
Japanese	2080
Korean	2015

Recommendation: A “B” grade or better in Level III Honors of the language or Department approval

This course covers the Level IV curriculum in greater depth and with greater intensity. In addition, all students are expected to complete an honors project that will demonstrate their mastery of the target language as well as expand upon the content area.

Advanced Placement (AP)

AP Chinese Language and Culture	2064
AP French Language and Culture	2055
AP Spanish Language and Culture	2105

Recommendation: An “A” grade in Level III of the language and teacher approval or A grade in Level III Honors of the language and teacher approval

This course is designed to prepare students to take the AP exam. Extensive practice is provided in writing compositions, listening to conversations and narration by native speakers, creating spontaneous responses, demonstrating mastery of complex language structures, and reading and understanding literature.

International Languages for Heritage Speakers

Spanish I Speakers (#2096)

Grade: 9

Recommendation: Students will be assessed to determine Spanish proficiency and appropriate level placement

Spanish for heritage speakers is specifically designed for speakers who already have some oral language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read and write in a variety of contexts and for a variety of audiences including family, school, and the community. This course will allow students to explore the

cultures of the Hispanic world including their own, and it will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

Spanish II Speakers (#2097)

Grade: 10

Recommendation: Students will be assessed to determine Spanish proficiency and appropriate level placement

Spanish for heritage speakers is specifically designed for speakers who already have an intermediate oral language proficiency, are able to read and are still developing their writing abilities. The purpose of this course is to enable students whose heritage language is Spanish to continue to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read and write in a variety of contexts. Students will explore the cultures of the Hispanic world, as well as contemporary issues, and will read more authentic texts.

Spanish III Speakers (#2098)

Grade 11

Recommendation: Students will be assessed to determine Spanish proficiency and appropriate level placement

Spanish for heritage speakers is specifically designed for speakers who already have some oral language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read and write in a variety of contexts and for a variety of audiences including family, school, and the community. This course will allow students to explore the cultures of the Hispanic world including their own, and it will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

Mathematics

- For course sequencing, see the “Math Progression Flow Chart” on page 29
- “Recommended” calculators may be checked out from the library
- For additional AP course information, visit the College Board website:
<http://apcentral.collegeboard.com/apc>
- For additional information regarding the Common Core State Standards for courses through pre-calculus, please visit the California Department of Education’s website:
www.cde.gov/be/st/ss/documents/ccssmathstandardaug2013.pdf

Math 1A (#4475) / Math 1B (#4476)/ Math 1C (#4489) Grades 9-12

Recommendation: A “D” or “F” grade in Math 8 from middle school.

A TI-84 or TI-84+ graphing calculator is recommended for this course

California State Standards based courses for Mathematics I. These courses are each one semester in length, and offer a slower-paced alternative for completion of Math I.

Mathematics I (#4484) Grade: 9

Recommendation: A “C” grade or better in Math I from middle school

A TI-84 or TI-84+ graphing calculator is recommended for this course

Mathematics I is the first course of the three-course sequence: Mathematics I, Mathematics II, and Mathematics III. This one year course satisfies the California Common Core Standards for Integrated Mathematics I. The Mathematics I course focuses on the following areas: functions; linear functions; equations; inequalities; sequences; basic exponential functions; systems of linear equations; systems of linear inequalities; one variable descriptive statistics; correlation; residuals; and analyzing categorical data; mathematical modeling; and coordinate and transformational geometries.

Accelerated Math I/II (#TBD) Grade: 9

Recommendation: A “C” grade or better in Accelerated Math I from middle school. **A TI-84+ graphing calculator is recommended for this course**

Accelerated Math I/II is the third course of a four-course accelerated sequence beginning in 7th grade (compacting 5 years of math into 4 years). The content of the course includes the second half of Integrated Math I and 3/4 of the Integrated Math II standards from the California Frameworks. The major topics of the course include: an introduction to exponential equations, statistics, constructions, congruence through transformations, congruence theorems, similarity, circles, and quadratic functions.

Mathematics I Plus-Honors (#4481) Grade: 9

Recommendation: A “B” grade or better AND honors distinction in in Math 8 from middle school or a “C” grade or better in Advanced Math 8 from middle school

A TI-84 or TI-84+ graphing calculator is recommended for this course

Mathematics I Plus-Honors is the first course of the three-course honors sequence. This one year course satisfies the California Common Core Standards for Mathematics I AND incorporates some California Common Core Standards for Pre-Calculus (the “plus” standards). The

Mathematics I Plus-Honors course focuses on all topics covered in Mathematics I and matrices; operations with matrices; and additional applications and modeling.

Math 2A (#4477) / Math 2B (#4465) / Math 2C (#4466) **Grade: 10-12**

Recommendation: Completion of Math 1C or a “D” grade or below in Math I

A TI-84 or TI-84+ graphing calculator is recommended for this course

California State Standards based courses for Mathematics II. These courses are each one semester in length, and offer a slower-paced alternative for completion of Math II.

Mathematics II (#4485) **Grade: 10**

Recommendation: A “C” grade or better in second semester of Mathematics I OR

a “D” grade or better in both semesters of Math I Plus Honors

A TI-84 or TI-84+ graphing calculator is recommended for this course

Mathematics II is the second course of the three-course sequence; Mathematics I, Mathematics II, and Mathematics III. This one year course satisfies the California Common Core Standards for Integrated Mathematics II. The Mathematics II course focuses on the following areas: laws of exponents including rational exponents; compare key characteristics of quadratic functions to linear and exponential functions; create and solve equations and inequalities involving linear, exponential, and quadratic expressions; extend work with probability; similar triangles based on dilations and proportional reasoning; right triangle trigonometry; and consolidate functions in Geometry to create models and solve contextual problems.

Mathematics II Plus-Honors (#4482) **Grade: 10**

Recommendation: “B” or better in both semesters of Mathematics I Plus Honors OR an “A” or better in both semesters of Math I AND completion of the district summer bridge course that covers Math II standards (this is covered in the Accelerated Mathematics I/II course)

A TI-84 or TI-84+ graphing calculator is recommended for this course

Mathematics II Plus Honors is the second course of the three-course honors sequence. The content of the course includes the $\frac{3}{4}$ of Integrated Math I and $\frac{1}{2}$ of the Integrated Math II standards from the California Frameworks and satisfies the California Common Core Standards for Mathematics II AND part of Math III. The Mathematics II Plus Honors course focuses on the remaining topics covered in Mathematics II and complex number systems, polynomials, and rational expressions

Mathematics III (#4486) **Grades: 10, 11**

Recommendation: A “C” grade or better in the second semesters of Mathematics II or “D” or better in both semesters of Mathematics II Plus-Honors

A TI-84 or TI-84+ graphing calculator is recommended for this course

Mathematics III is the third course of the three-course sequence: Mathematics I, Mathematics II, and Mathematics III. This one year course satisfies the California Common Core Standards for Integrated Mathematics. The Mathematics III course focuses on the following areas: the complex number system; seeing structure in expressions; polynomials and rational expressions; creating equations; reasoning with equations and inequalities; functions; linear, quadratic, and exponential models; trigonometric functions; similarity, right triangles and trigonometry; conics;

modeling with geometry; interpreting categorical and quantitative data; justifying conclusions; and probability.

Mathematics III Plus-Honors (#4483) **Grades 10, 11**

Recommendation: A “B” grade or better in both semesters of Mathematics II Plus-Honors

A TI-84 or TI-84+ graphing calculator is recommended for this course

Mathematics III Plus-Honors is the third course of the three-course honors sequence. This one year course satisfies the California Common Core Standards for Mathematics III AND incorporates some California Common Core Standards for Pre-Calculus (the “plus” standards). The Mathematics III Plus- Honors course focuses on all topics covered in Mathematics III and more analysis and operations with complex numbers; addition, subtraction, multiplication and division of rational expressions; understand and graph functions and equations defined parametrically; graph polar coordinates and curves; convert between the polar and rectangular coordinate systems; more in depth analysis of inverse functions; inverse trigonometric functions; solve trigonometric equations using inverse functions and technology; prove and apply trigonometric identities; conics-ellipse and hyperbola; use completing the square to change the general conic equation into standard form for all conics and identify which conic is represented; Law of Sines and Law of Cosines; using trigonometry to find the area of a triangle; more difficult factoring problems; use polynomial long division to rewrite polynomials; convert formulas into other forms; more in depth analysis of the graphs of functions; more in depth modeling real world problems with the appropriate type of functions.

Statistical Reasoning (#4645) **Grades: 11, 12**

Recommendation: A passing grade in both semesters of Mathematics III

A TI-84 or TI-84+ graphing calculator is recommended for this course

Statistical Reasoning teaches students how to use the four-steps of the statistical process: ask questions, collect data, analyze data, and make conclusions. Although the context of the examples and exercises are sports related, the primary focus of the class is to teach the basic principles and tools of statistical reasoning. This course is an alternative to Pre-Calculus for college bound students. This course also serves as a preparation class for AP Statistics.

Pre-Calculus (#4609) **Grades: 11, 12**

Recommendation: A “C” grade or better in Math III course

A TI-84 or TI-84+ graphing calculator is recommended for this course

This one-year course satisfies the California Common Core Standards for Pre-Calculus. This course prepares students for AP Calculus AB or for College Differential Calculus. The course revisits Math III topics, covers math analysis concepts, and focuses on developing students’ understanding of trigonometry.

Introduction to Calculus (#4499) **Grades: 11, 12**

Recommendation: A "C" grade or below in Pre-Calculus.

A TI-84 or TI-84+ graphing calculator is recommended for this course

This course is for students who have completed the curriculum up to Pre-Calculus, but is without the theoretical depth, breadth, and rigor of an AP level Calculus course. Topics include graphs, polynomials and radical functions, rational functions, trigonometric functions, exponential and

logarithmic functions, limits, derivatives, applications of derivatives and some integrals and applications of integrals. Graphing calculators (TI-84, or TI-84+) are recommended.

AP Calculus AB (#4507)

Grades: 11, 12

Recommendation: A “B” grade or better in both semesters of Mathematics III Plus Honors OR a “B” grade or better in Pre-Calculus OR a “B” grade or better in Intro. to Calculus

A TI-84 or TI-84+ graphing calculator is recommended for this course

The AP Calculus AB course consists of a full high school academic year of work that is comparable to the first semester of college calculus. The course makes extensive use of pre-requisite math skills and pre-calculus. The topics determined by the College Board include limits and continuity, derivatives, min-max problems, related rates, rectilinear motion, integrals, Riemann sums, differential equations, volumes of rotation and the calculus of transcendental functions. This challenging, demanding, and rigorous course prepares students for the Advanced Placement test in AP Calculus AB. Some outside class hours are required.

AP Calculus BC (#4508)

Grades: 11, 12

Recommendation: “C” or better in both semesters of AP Calculus AB

A TI-84 or TI-84+ graphing calculator is recommended for this course

This is an Advanced Placement course that covers the topics determined by the College Board. This challenging, demanding, and rigorous course prepares students for the Advanced Placement test in AP Calculus BC. Some outside class hours are required.

AP Statistics (#4592)

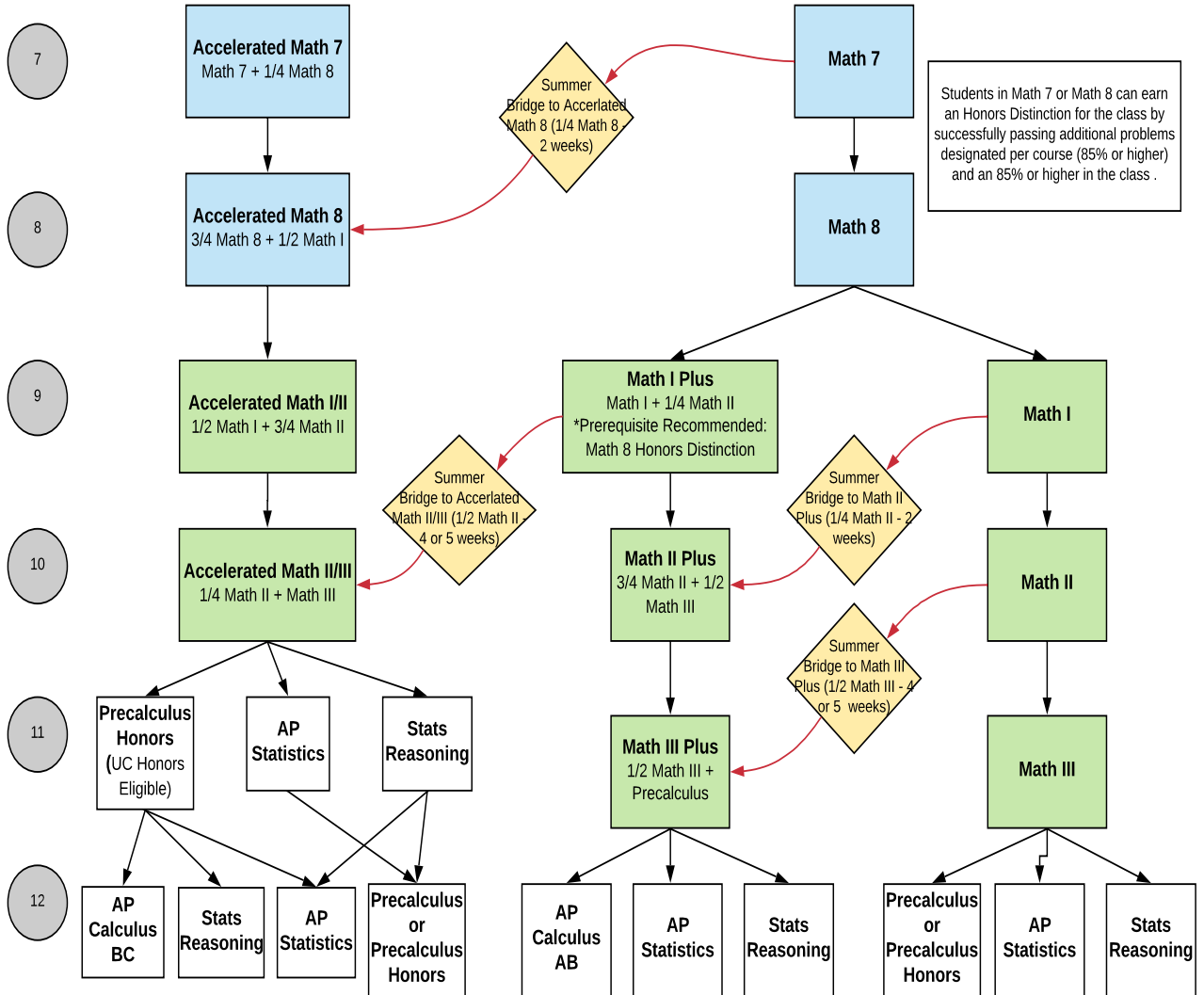
Grades: 10, 11, 12

Recommendation: “C” or better in both semesters of Mathematics III OR “C” or better in both semesters of Statistical Reasoning

A TI-84 or TI-84+ graphing calculator is recommended for this course

This is an Advanced Placement course that covers the topics determined by the College Board. This challenging, demanding, and rigorous course prepares students for the Advanced Placement test in AP Statistics. Some outside class hours are required.

Mathematics Flow Chart



Students enrolled in AP Calculus BC do not need to take AP Calculus AB if he/she has completed Precalculus Honors or Math Analysis/Calculus A. Students taking the AP Calculus BC exam will receive an AP Calculus AB subscore in addition to the AP Calculus BC score.

Physical Education/Athletics

* 9-12th graders may elect, under certain circumstances according to Board policy at the start of the semester, to receive a “Credit / No Credit” grade for these courses. Please see your student advisor for more information *

P.E I (#6021)

Grade: 9

This course is an introduction to the principles and philosophy of physical education. Students will explore theories of exercise, physiology, and movement. Students participate in units of aquatics, rhythms/dance, gymnastics/tumbling, and individual/dual activities. This course is designed to prepare students to take the state mandated Fitness Gram test.

PE II (#6022)

Grades:10-12

This course is an extension of Physical Education I. Students will participate in team activity units. Physical Education II deals with a wide variety of concepts dedicated to lifelong fitness.

PE III/IV (#6040)

Grades: 11,12

This course is an extension of Physical Education II. Students will participate in activities that focus on team sports such as basketball, volleyball, street hockey, flag football, and softball. Physical Education III will also focus on enhancing student’s ability to pass the Fitness Gram and incorporate the concept of lifelong fitness.

Strength and Conditioning (#6089)

Grades: 11,12

This course is a rigorous course dedicated to improve muscular strength and endurance. Students will learn and practice research based knowledge and principles used in strength training and conditioning to enhance overall fitness and performance.

Pep -Squad (#6002)

Grades: 9-12

Recommendation: Auditions in spring

This class is for Pep Squad members. This unit practices after school, performs at pep rallies and home games, and may compete in local cheer competitions.

Adv. Dance (#1667)

Grades: 9-12

Dance Performance is an elective physical education course for students who have completed High School Physical Education Courses I and II, this course includes content for developing skills and knowledge in dance (ballet, folk, jazz, modern, social, square). The content in this course is based on the physical education content standards. This course earns P.E. credit in ABCUSD, but is not approved for UC credit

Athletics

P.E./Athletics (See course numbers below)

Grades: 9-12

Recommendation: Intention to play high school sport(s), approval of Athletic Director, GPA of 2.0 or better, and all paperwork as described below

These courses are only for students participating in high school athletics. All 9th grade athletes must enroll in PE Athletics all 4 quarters. 10th – 12th grade athletes who have passed the Fitness Gram may choose whether to enroll in PE Athletics off-season based on their PE credit needs (20 credits for graduation). Practice and game times will go beyond the regular school day hours, and teams will travel to compete with other high schools. Students should sign up for any sports they are interested in playing before June. After the school year begins, schedule changes for sports may not be possible. Students must complete and return the following by designated date or may be dropped from PE Athletics:

- 1.) A physical taken after June 1st of current year on pre-participation Physical Evaluation Form
- 2.) A copy of health insurance card (proof), or purchase insurance through the school
- 3.) A Student-Athlete Code of Ethics signed by student and parent
- 4.) A signed Concussion Information Sheet
- 5.) A completed “Blue Card” (permission to transport & emergency contacts) for each sport
- 6.) A signed “Cerritos High School Athletic/Extra Curricular Activities Clearance Form/Contract” and Waiver (see page ?? for athletic packet)

To offset rising transportation costs, a one-time-a-school year transportation fee will be charged to all members of athletic teams and auxiliary units. Transportation fees need only to be paid once a school year regardless of how many sports/units in which a student participates. A \$120 transportation fee will become an obligation if not paid. Fees are non-refundable.

Failure to complete ALL required paperwork and financial standards will preclude participation in ANY athletic practices or games. Please see your Student Counselor if you and/or your family is experiencing monetary hardships.

All students in all sports must be enrolled in the Athletics course(s) in which they participate.

All students **must** enroll in the quarter(s) of PE Athletics that correspond to the quarters of their sports. For 10th – 12th graders, enrollment in PE Athletics during off-season quarters is optional based on PE credit needs. **Year-long athletics courses are marked with “Y”*).

<u>1st Quarter (Fall)</u> 2.5 Credits	Girls’ Volleyball (Y) 6055	Girls’ Tennis (Y) 6064
	Boy’s Waterpolo 6063	Cross Country 6058
	Football (Y) 6054	Girl’s Golf (Y) 6067

<u>2nd Quarter (Winter)</u> 2.5 Credits	Girls’ Soccer (Y) 6056	Girls’ Basketball (Y) 6051
	Boys’ Soccer (Y) 6056	Boys’ Basketball (Y) 6051
	Girls’ Waterpolo 6063	Boys’ Wrestling (Y) 6066
		Girls’ Wrestling (Y) 6066

<u>3rd Quarter (Spring)</u> 2.5 Credits	Badminton 6071	Softball (Y) 6065
	Baseball (Y) 6052	Swim 6059
	Boy’s Golf (Y) 6052	Track 6057
	Boys’ Tennis (Y) 6064	
	Boys’ Volleyball (Y) 6055	

<u>Quarterly PE Athletics</u> 2.5 Credits per quarter	1 st Quarter 6116
	2 nd Quarter 6117
	3 rd Quarter 6118
	4 th Quarter 6119

For example, if a 9th or 10th grade student chooses to be in a sport, he/she would sign up for the following:

1 st Quarter	6116
2 nd Quarter	6117
Badminton	6071
4 th Quarter	6119

IMPORTANT INFORMATION:

1. Tryouts for each team will be before or at the beginning of the school year.
2. Student must pass at least 4 classes while maintaining a 2.0 GPA each quarter to be eligible to participate in athletics.
3. Incoming students will be placed on academic probation for the first grading period of enrollment.
4. New students wishing to apply for academic probation for the second grading period of enrollment can appeal the first period of academic probation by providing proof of academic eligibility from his or her previous school to an athletic director.
5. **Many teams practice during 6th period athletics, therefore, after making a team you may be placed in 0 period or 6th period athletics if appropriate.**
6. Team lists are generated by each coach after tryouts and then given to the counselors for necessary schedule changes.
7. You will be informed of your new schedule after the change has been made

Science

Biology CP (#7620) Grade: 9

Biology focuses on understanding life and life processes, covering areas from molecular and cellular biology, genetics, taxonomy and systems of invertebrate and vertebrate organisms, plants, and environmental sciences.

Life Science (#7606) Grades: 10-12

Recommendation: This course is open to students who did not pass Biology

Life Science is a one-year course that covers the basic concepts of living organisms, ecological relationships, cell theory, heredity, and plant and animal systems. Emphasis is placed on day-to-day application of these concepts.

Biology Honors (#7621) Grades: 9, 10

Recommendations: A "B" grade or better in Adv. Math 8 H, or an "A" grade in both semesters of Math 8. In case of impacted classes the 1st exam may be used for placement

Biology Honors covers the unique properties of living organisms. The presentation of molecular and cellular processes provides the background for understanding concepts of genetics, microbiology, multi-cellular plants and animals, and human biology. Emphasis is placed on understanding principles and concepts. The concepts and principles are covered in a greater depth than in college prep Biology. Writing skills are emphasized in exams and assignments.

Advanced Topics in Biology (#7623) Grades: 11, 12

Recommendation: A "C" grade or better in Biology and Chemistry

This course is divided into two one-semester courses. In the first semester, we will explore Forensic Biology. With the tremendous success of shows like CSI there is a great interest in this area of science. We take a hands-on approach to fingerprint analysis, bloodstain pattern analysis, and DNA analysis, among other subjects relevant to this field. In the second semester, we will be exploring Anatomy and Physiology. We will be conducting several dissections as we learn about the intricate workings of organisms. During this semester, a special emphasis will be placed on diseases and the immune system.

Marine Biology (#7710) Grades: 10-12

Recommendation: Complete Biology and Chemistry

Students will study the effect oceans have on land, such as weather, as well as have hands on experience studying the various oceanographic biomes. They will be able to see the adaptations that various life forms need in order to survive.

AP Biology (#7622) Grades: 11, 12

Recommendations A "B" grade or better in Biology, Chemistry, and Math III, or concurrent enrollment in Math III, or consent of teacher

AP Biology is a university level course covering chemical and cellular bases of life, molecular biology and heredity, the biology of plants and animals, the perpetuation of life, and the

relationships of organisms and their communities. A university text is assigned with materials available as references. Series of laboratory exercises are completed to reinforce principles and concepts presented during lectures. Students should possess good writing skills for essay exams.

Physical / Earth Science (#7734) **Grades: 10, 11, 12**

Recommendation: Must have completed Life Science graduation requirements

Physical/Earth Science is the study of the earth and its neighbors. This year long course is structured around the four types of earth science: geology, meteorology, oceanography, and astronomy. This class will also introduce the concepts of physical science such as motion, waves, and forces. Series of laboratory exercises, demonstrations, and group projects are completed to reinforce principles and concepts presented during lectures.

Chemistry – CP (#7630) **Grades: 10, 11, 12**

Recommendation: A “C” grade or better in Math I

Chemistry CP is the study of the composition, structure, and interaction of matter and the energy involved in these relationships. Students use algebra skills in the interpretation of the basic concepts and processes of chemical reactions. Emphasis is placed on learning theory through the use of the laboratory, text assignments, and lecture-discussion sessions of real life applications.

Chemistry Honors (#7631) **Grade: 10, 11, 12**

Recommendation: A grade of “B” in Biology Honors or an “A” in Biology CP

Chemistry Honors is a laboratory-based course designed to introduce the talented science student to the major topics of inorganic chemistry: atomic structure, periodicity, bonding, kinetics, thermochemistry, and equilibrium. This course differs from college preparatory chemistry in that it is more conceptual and theoretical in nature. Wherever possible, concepts are discovered through experiment rather than from the text.

AP Chemistry (#7632) **Grades: 11, 12**

**Recommendations: A “B” grade in Chemistry H or an “A” grade in Chemistry CP, or a
Enrolled in Math III or higher**

This course is structured around the many topics of chemistry, such as the electronic structure of the atom, kinetics, thermochemistry, equilibrium, acids and bases, gas laws, and chemical bonding. This course is taught at the college level with specialized lab experiments to reinforce lecture topics.

Physics - CP (#7640) **Grades: 11-12**

Recommendation: A grade of “C” or better in Math I and II

Physics is a year course that covers the following concepts: the motion of matter and the forces and energy causing this motion; the changes in matter with the application of heat; application of waves in interpreting sound and light; and the fundamentals of electricity and magnetism. These topics are taught through lecture-demonstrations, laboratory analysis, and problem solving with an emphasis on providing students with a strong grasp of physics concepts.

AP Physics I**(#7732)****Grades: 11, 12****Recommendations: Concurrent enrollment in Math III**

This course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself. AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

AP Physics C: Mechanics (#7642)**Grades: 11, 12****Recommendation: Students must have already completed or be concurrently enrolled in Calculus AB**

This course is designed to help students learn about the natural laws that govern the world we live in. The concentration is on mechanics, which deals with the study of translational and rotational motion, forces, energy, momentum, oscillatory motion, and gravity. There is a 20% focus on lab work, such as investigating rocket launch technology. This class will also allow students to get involved with new, innovative space technology software. This course fulfills the university requirement for a year of physics.

AP Environmental Science (#7661)**Grades: 11, 12****Recommendations: A “B” grade or better in Biology and Chemistry and Algebra II or concurrent enrollment in Algebra II**

This course is designed to acquaint the student with the physical, ecological, social, and political principles of environmental science. The course analyzes the inter-relationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental problems. The course covers the following topics: Earth's Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society.

Social Sciences

World History/Geography CP (#8003) Grades: 9, 10

This course reviews the historical, political, social, and cultural developments of the world from the late 18th century to the present. Major themes covered include the French Revolution, the Industrial Revolution, the Rise of Imperialism, World War I, World War II, and Nationalism in the contemporary world. It includes two major semester projects that emphasize original research, analytical and creative thinking, as well as, skill development in the process of writing a historical research paper. The SDAIE course is delivered using methodologies appropriate for students learning English.

AP World History (#8097) Grades: 10-12

Recommendation: Students should not be behind more than 10 credits due to the academic rigor of an AP course

This course will introduce students to a range of themes in world history since the emergence of early civilizations through the present, with a focus on contacts among groups and cultures. Contact can occur in many respects, including trade and cultural exchanges, as well as, conquest and exploitation. Some of the themes include the emergence of stratified, patriarchal societies, comparisons among different belief systems, cross-cultural exchange, comparisons of slavery in various cultures and periods, European overseas expansion, the links between capitalism and empire building, the connections between nationalism and WWI, and women's status and gender Roles in a range of time periods. Students will garner a greater awareness of diversity of human experiences and a more profound understanding of other cultures.

US History CP (#8022) Grade: 11

This course is designed to continue what students have learned in 10th grade World History and to expand their focus towards the American experience. This course offers 11th and 12th grade students an exciting look at the American experience, and details the struggles from inception through modern time. By the end of this course, students will have a firm grasp of key topics and be prepared for 12th grade Government/Economics.

AP US History/Geography (#8023) Grade: 11

Recommendation: An "A" grade in World History CP or a "B" grade in both semesters of AP World History

This course is a fast-paced survey of American History from exploration to the 1990's, requiring extra and intense effort. The emphasis is on critical thinking and written communication with essays and research projects playing a major role. This is a comprehensive course from the period of exploration to the present. Emphasis is on political, social and economic developments, the position of the U.S. in world affairs, and the forces that shape the causes of events. Emphasis is on concept development, research and essay writing. The course is supplemented by additional readings.

Civics CP	(#8043)	Grade: 12
Economics CP	(#8044)	Grade: 12

Note: Civics receives one semester of social studies credit and Economics receives one semester of elective credit. These two courses are mandatory for graduation.

The one-semester Civics course is an in-depth look at our federal government. Lectures, projects and outside reading assignments will be incorporated into the course of study. Modern political history will be discussed. The one-semester Economics course introduces students to the basic principles of economics and the fundamental operations of the American economic system of free enterprise. This course introduces economics as a discipline and helps students prepare to play an intelligent, informed participatory role in our economic system.

AP US Government & Politics	(#8143)	Grade: 12
Economics CP	(#8044)	Grade: 12

Recommendations: A minimum of a 3.0 GPA, and not behind more than 10 credits

The one-semester Civics course is an in-depth look at our federal government with an emphasis on writing skills, library usage, essay exams, and the writing of research papers. Lectures, projects and outside reading assignments will be incorporated into the course of study. Modern political history will be discussed. The one-semester Economics course introduces students to the basic principles of economics and the fundamental operations of the American economic system of free enterprise. This course introduces economics as a discipline and helps students prepare to play an intelligent, informed participatory role in our economic system.

Social Studies Related Elective Courses

The following courses earn **Elective credit only**. They are not counted as Social Science for either ABCUSD or UC/CSU credit purposes.

Psychology	(#8130)	Grades: 10-11
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This course is a high school level course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will acquire some of the skills necessary to address problem areas of life and make life more enjoyable. Students are exposed to facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods used in modern psychological practice.

AP Psychology	(Course #8129)	Grades: 11-12
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Recommendation: A minimum 2.0 GPA and not behind more than 10 credits

This course is an introduction to the systematic study of human behavior and mental processes. It will demonstrate how psychological theory may be used to describe, explain, predict, and control behavior. Topics include Research Methods, States of Consciousness, Learning and Memory, Intelligence, Personality, Neuroscience, Social Psychology, Human Development, Psychological Disorders, & Therapeutic Approaches.

Associated Student Body (ASB) (#8111)

Grades: 9-12

Recommendation: Elected or appointed students in ASB must meet academic and citizenship requirements.

Enrollment in Leadership is required for all students who hold appointed or elected ASB offices. The students in the class form the ASB Student Council. They conduct meetings, prepare and plan activities for the entire school, and represent the student body to the administration and staff. The students will work together and develop their leadership and organizational skills.

MODEL UNITED NATIONS SEQUENCE

World History/Geography

Model United Nations Honors (#8010)

Grade: 9

Recommendation: "B" or better in both semesters of 7th and 8th grade Social Science Honors

Note: Students in 9th, 10th, and 11th grade MUN classes are required to attend at least two conferences each semester.

This course follows the same guidelines as the World History/Geography course with a greater emphasis on current events and issues. In addition, students will attend and participate in Model United Nations activities and conferences at the school and throughout the Southland. MUN activities concentrate on conference preparation, debate skills, public speaking, and resolution writing. All students are required to attend at least two MUN conferences each semester. Parent participation is highly encouraged.

Modern History MUN H (#8125)

Grade: 10

Recommendation: Approval of the MUN teacher

Note: Students MUN classes are required to attend at least two conferences each semester.

This course follows the guidelines of a Modern History Honors course with a greater emphasis on current events and issues. In addition, students will attend and participate in Model United Nations activities and conferences at the school and throughout the Southland. MUN activities concentrate on conference preparation, debate skills, public speaking, and resolution writing. All students are required to attend at least two MUN conferences each semester. Parent participation is highly encouraged.

AP US History MUN (#8018)

Grade: 11

Recommendation: Previous participation in MUN and/or approval of the MUN teacher

This course encompasses all of the AP US History course standards: This course is a fast-paced survey of American History from exploration to the 1990's, requiring extra and intense effort. The emphasis is on critical thinking and written communication with essays and research projects playing a major role. This is a comprehensive course from the period of exploration to the present. Emphasis is on political, social and economic developments, the position of the U.S. in world affairs, and the forces that shape the causes of events. Emphasis is on concept development, research and essay writing. The course is supplemented by additional readings. There may be a required Summer assignment. *Additionally, this course also incorporates Model United Nations training.*

Civics CP MUN	(#8049)	Grade: 12
Economics CP MUN	(#8050)	Grade: 12

Recommendation: Previous participation in MUN and approval of the MUN teacher

This course encompasses all of the Civics CP and Economics CP course standards: The one-semester Civics course is an in-depth look at our federal government. Lectures, projects and outside reading assignments will be incorporated into the course of study. Modern political history will be discussed. There is a civic duty requirement for this course that must be fulfilled. The one-semester Economics course introduces students to the basic principles of economics and the fundamental operations of the American economic system of free enterprise. This course introduces economics as a discipline and helps students prepare to play an intelligent, informed participatory role in our economic system. Additionally, *Additionally, this course also incorporates Model United Nations training.*

Visual And Performing Arts Academy (VAPAA)

AP Studio Art (#1538) Grades:11, 12

Recommendation: A grade of “A” or higher in Art II and/or Art III and teacher approval

The AP Studio Art Program offers two portfolio exams—AP Art and 2-D Design and AP Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation. The AP Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. The AP Art and 2-D design portfolio addresses skillful and creative use of the Elements of Art and Principles of Design. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout their art education to produce visual compositions. Students must submit a portfolio to College Board consisting of 15, newly completed works of art based on a teacher approved theme or "Sustained Investigation" and "Selected Works" Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. This class is recommended for self-motivated and independent students.

Art I (#1500) Grades: 9- 12

This course provides foundational art skills and requires no previous art experience. It offers a variety of experiences in the field of art. Appreciation and skills are developed through the study of the Elements of Art and Principles of Design as they are used in drawing, painting, perspective and 2-Dimensional Design. The media used will include pen and ink, pencils, collage, charcoal, pastel, watercolor, and acrylic. It is recommended that students earn a “C” grade or higher in this course to successfully advance to Art II and III.

Art II (#1501) Grades: 10, 11, 12

Recommendation: Successful completion of Art I with a “C” grade or higher

Art II extends the practice of the Elements and Principles of Design with advanced drawing and painting techniques and concepts that includes printmaking. It encourages more independent work and development of creativity and personal style through weekly sketchbook assignments. It is recommended that students earn a “A” grade or higher in this course to successfully advance to Art III and/or AP Studio Art.

Art III (#1502) Grades: 11, 12

Recommendation: An “B” grade or higher in Art II and teacher approval

This class is recommended for self-motivated and independent students who want to explore art via a series of extended individual activities. The drawing activities involve intensive practice in the elements and principles of design using pencil, pen and ink, charcoal, colored pencils and acrylic. The painting component requires students to practice various painting techniques and styles using watercolor, and Acrylic paints. There is a brief review of color theory and intensive practice painting. It is recommended that students earn a “B” grade or higher in this course to successfully advance to AP Studio Art.

Ceramics I (#1509) Grades: 9, 10, 11, 12

Beginning ceramics is a fun and rewarding course. It is open to all students with little or no art background or experience with clay. The curriculum is based on the California State Framework for Fine Arts. Hand building, throwing, and basic glazing techniques will be covered.

Ceramics II (#1510) Grades: 10-12

Recommendation: Successful completion of Ceramics I

This course is designed for the student who wishes to improve on his/her hand-building, wheel throwing, and decorating techniques. The student must be self-motivated and able to work independently.

Ceramics III (#1511) Grades: 11, 12

Recommendation: A "B" grade or better in Ceramics II and instructor approval

Ceramic III and IV students will further refine their hand-building and throwing (potter's wheel) skills. Advanced decorating techniques, such as sgraffitto, will be taught. Emphasis will be on diving deeper into self-expression and experimentation. Level III and IV are for the student who is self-motivated, independent, and highly eager to seek challenges and further their growth as an art student.

Ceramics IV (#1512) Grades: 11, 12

Recommendation: A "B" grade or better in Ceramics I-III and instructor approval

Ceramic III and IV students will further refine their hand-building and throwing (potter's wheel) skills. Advanced decorating techniques, such as sgraffitto, will be taught. Emphasis will be on diving deeper into self-expression and experimentation. Level III and IV are for the student who is self-motivated, independent, and highly eager to seek challenges and further their growth as an art student.

Choir (#1707) Grades: 9-12

Choir is a class designed to let students with a strong interest in singing and theatrical performing arts learn acting skills, musical notation, to sing in multi-part harmony, and develop as performers. This class will require all students to sing, act, and dance to achieve the curriculum content. This ensemble performs throughout the year at local, state, and national events. Extracurricular rehearsals may be required. Course may be repeated for credit.

Advanced Concert Band (#4256) Grades: 9-12

Recommendations: Completed Athletic packet, students must also be concurrently enrolled in Marching Band #1720, and admission with teacher approval

This year long class focuses on the developing musician. All students in the concert band must possess basic playing proficiency. Students will learn concert literature, pep, and marching band music. Students will receive an introduction to music theory, performance styles, and develop the technical skills needed to audition for Symphonic Band. This ensemble performs throughout the year at local, state, and national events. Extracurricular rehearsals may be required. Course may be repeated for credit.

Advanced Dance (#1667)**Grades: 9-12**

Dance Performance is a beginning level class for students. In this class students will learn ballet, jazz, hip hop, modern, social, and folk dance. Through the introduction of these techniques, the students will begin to learn the vocabulary of movement that will help them progress into improvisational work as well as choreography. Students will have an opportunity to perform in fall and spring performances. Dance in historical context and cultural diversity will be taught.

Desktop Publishing Yearbook Design (#1797)**Grades: 9-12**

Requirement: A “C” grade of better in previous English Course and Yearbook teacher approval

Yearbook revolves around the production of a 200 plus page book of memories. Students are involved from start to finish in all elements of desktop publishing including Adobe Photo shop, Adobe Illustrator and InDesign. They brainstorm theme ideas, create layouts, sell personal advertisements, take photographs, and develop graphic design skills. Yearbook provides students with opportunities to be leaders, artists, writers, salespeople and photographers.

Drama (#1650)**Grades: 9- 12**

This course is for students interested in developing their dramatic talents. The first part of the course is devoted to non-verbal communications, awareness of self and others, basic action and acting techniques, elementary stage movement, and vocal control. The second half of the course is devoted to developing interpretive ability, the study and development of characterization, and the heightening of creativity and imagination. Students in Drama I will be introduced to all aspects of theater as it relates to life, understanding, and the capacity to perceive.

Film Studies (#1570)**Grades: 10-12**

Recommendation: Successful completion of English I

Film studies is a UC approved visual/fine arts course. In this class, students will become critical viewers of genres of film. They will study how narration, visual design, cinematography, editing, music, and sound are used to create meaning in a film. The course will cover the history of cinema along with the artistic, technological, economic, and social changes that have occurred over the last 100 years. There is no textbook for the course. Students will learn how to “read” a film as they will watch over 30 of the greatest films in class. They will participant in group projects, write a screenplay, and make their own short film.

Journalism I (#1601) or Journalism II (#1617)**Grades: 10-12**

Requirement: Successful completion of previous English course

Journalism students are responsible for the production of the Cerritos High School online newspaper, *the Informer*. As part of the news staff, students will learn writing and photography styles specific to journalism, which includes editing for clarity and effect. As news reporters, students will learn how to gather information, interview sources, edit content, and design story layouts. Students will also learn desktop publishing using InDesign and PhotoShop on the Macintosh computer.

Marching Band (#1720) Grades: 9-12

Recommendation: Teacher approval

Seventh period Marching Band is required for all music and color guard students. This group performs at football games, concerts, local field shows, and state/national competitions. Color guard auditions are held in May or June of the preceding school year. Auditions for musicians are held at Band Camp in August. All extracurricular rehearsals and performances are required for successful completion of this course. A completed athletic packet submitted to the athletic office is required. After the marching band season is over this period splits into Percussion Ensemble, Winter Guard, Jazz Band, and other extracurricular rehearsals. Course may be repeated for credit.

Music Appreciation (#1731) Grades: 9-12

This course increases the variety and depth of the student's interest, knowledge, and involvement in music and related cultural activities. Students will become acquainted with traditional and twentieth century music literature which will emphasize the relationship music has as an art form with man and society. The course will increase student's awareness of the composers and performers of all musical eras through reading, listening, and concert experiences.

Piano (#1689) Grades: 9-12

This course focuses on basic study technique, which will include reading, writing, listening and playing. A variety of elementary piano repertoires will be studied. Students learn to understand, experience and appreciate the fundamentals of keyboard musicianship. This course is designed for students with little or no background in piano playing.

Piano II (#1728) Grades: 9-12

Recommendation: Completion of Piano I or prior piano experience (minimum one year)

This course focuses on the continuation of Piano I, which will include reading, writing, listening and playing. A variety of piano repertoires will be studied. Further emphasis will be on understanding, experiencing and appreciating the fundamentals of keyboard musicianship.

Stagecraft (#1652) Grades: 10- 12

Members of this class will construct sets for all major productions. Students will be trained in set construction and set design, theater lighting, and set painting. Participation is a fundamental aspect of this course. Attendance at play rehearsals is a requirement.

Symphonic Band (#1688) Grades: 9-12

Recommendation: Instructor approval

This year long class is for the advanced musician. Emphasis is placed on mastery of individual and ensemble performance techniques, achieving composer's intent, and reflection. Students will learn advanced concert literature, pep, and marching band music. This ensemble performs throughout the year at local, state, and national events. Extracurricular rehearsals may be required. Course may be repeated for credit.

Theater Lab (#1651) Grades: 10-12

Recommendation: A "B" grade or better in Drama I

This course is for advanced drama students. The standards, procedures, and discipline for this class will be equivalent to professional expectations. This is a participation class, and students will be involved in all aspects of theater through work in school productions and class assignments. Advanced acting techniques, characterization, and theater discipline will be emphasized. Theater lab will be devoted to developing the individual's creative potential and a deeper understanding of theater as it relates to life and one's perception of the world. Participation in play productions and after-school rehearsals are required.

Other Course Numbers

ASB – Student Government (#8111) Grade 9-12

Recommendation: Election and Teacher approval

This course allows our Cerritos HS Student Government time to meet to approve and plan school activities.

AVID 9 (#4770) Grade: 9

AVID 10 (#5771) Grade: 10

Recommendations: Application, teacher/counselor recommendation, GPA of 2.0 and above upon enrollment, and student's personal goal of attending college

This college preparedness and readiness course is designed to provide students with the necessary skills known to be beneficial for success in college. While concurrently enrolled in college prep "A-G" courses, students learn strategies and receive academic instruction and personal support in WICOR (writing, inquiry, collaboration, organization, reading).

Additionally, the course includes activities designed to motivate students to pursue and complete a college education. Students work individually, in small collaborative groups, and in tutor-led study groups. Tutorial support, reading and writing instruction, reinforcement of study skills, organization, and time management are emphasized in the 9th and 10th grade AVID elective class.

AVID 11 (#5772) Grade: 11

Recommendation: Application, teacher/counselor recommendation, GPA of 2.0 and above, on track to complete "A-G" requirements for CSU/US

AVID is the first year of a two-year interdisciplinary course for AVID juniors and seniors. The course is designed for those students who elect to take a course that prepares them for the rigor required for college work; that is, higher level thinking, reading, writing and oral language skills. Students will engage in higher levels of WICOR (writing, inquiry, collaboration, organization and reading) strategies than experienced in prior years in AVID. In addition to the academic focus, there are college bound activities, methodologies and tasks that should be achieved during the junior and senior year.

AVID Senior Seminar (#5773) Grade: 12

Recommendation: GPA of 2.0 and above, on track to complete the "A-G" course sequence for a CSU/UC college by the end of senior year.

The AVID Senior Seminar integrates critical reading, writing, and research and builds upon the skills learned in the previous AVID elective classes. Students will continue to engage in higher levels of WICOR (writing, inquiry, collaboration, organization, reading). Additionally, they will be researching colleges, completing college applications, applying for financial aid and scholarships, and beginning to develop independence and readiness for college collaborative study groups.

Health **(#7502)** **Grade: 9**

Requirement: Required for graduation

This required semester course provides students with the knowledge and skills to be proactive in their own health. Emphasis will be placed on the development of a positive self-image and mental health, as well as nutrition, physical fitness, and the prevention of common ailments that range from the common cold to coronary heart disease. The students will study contemporary health issues such as family life, substance abuse, and sexually transmitted diseases.

Futures **(#8100)** **Grade: 9**

This freshman semester course covers a variety of topics that support students' success in high school and beyond. Topics include geography, research and writing skills for high school, and college/career planning.

Instructional Aide **(#5029)** **Grades: 10-12**

Recommendations: Minimum overall GPA of 3.0, students may be removed from position if they earn 7 or more tardies to class, student must have taken the course they are asking to become an Instructional Aide for and **have earned** a "B" grade or higher, student records must indicate no suspensions or academic dishonesty for at least one academic year, approval from counselor, and no trancies for at least one academic year

In this course, students provide active instructional support to the teacher and students in another course. Teachers typically select students for this graded course based on prior relationship and/or experience with the material/course to be supported.

No First Period **(#0016)** **Grades: 11-12**

Students who do not want to have a first period class need to use this number to hold that period open. This will show initially in schedule as "Conference," but will be removed when schedule is finalized in September.

Teacher Aide **(#9998)** **Grades: 10, 11, 12**

Recommendations: Teacher approval, counselor approval, parent approval

Duties for TAs are assigned by the teacher. Students may be expected to set up and break down classroom materials, run errands to the office or other classroom appropriate duties.

AP Course Recommended Summer Assignments (by alphabetical order)

AP Calculus AB (#4507) Grades: 11, 12

See Appendix A

AP Calculus BC (#4508) Grade: 11, 12

See Appendix B

AP Chinese Language and Culture (#2064)

No recommended summer assignment

AP Computer Science A (#4524) Grades: 11, 12

No recommended summer assignment

AP Computer Science Principles (#4467) Grades: 10, 11

No recommended summer assignment

AP Biology (#7622) Grades: 11, 12

No recommended summer assignment

AP Chemistry (#7632) Grades: 11, 12

No recommended summer assignment

AP English Language (#1034) Grade: 11, 12

No recommended summer assignment

AP English Literature (#1044) Grade: 12

No recommended summer assignment

AP Environmental Science (#7661) Grades: 11, 12

No recommended summer assignment

AP French Language and Culture (#2055)

No recommended summer assignment

AP Physics I (#7732) Grades: 11, 12

No recommended summer assignment

AP Physics C: Mechanics (#7642) Grades: 11, 12

No recommended summer assignment

AP Psychology (Course #8129) Grades: 11-12

No recommended summer assignment

AP Spanish Language and Culture (#2105)

No recommended summer assignment

AP Statistics (#4592) **Grades: 10, 12**

No recommended summer assignment

AP Studio Art (#1538) **Grades: 11, 12**

No recommended summer assignment

AP US Government & Politics (#8143) **Grade: 12**

Economics CP (#8044) **Grade: 12**

No recommended summer assignment

AP US History/Geography (#8145) **Grade: 11**

No recommended summer assignment

AP US History MUN (#8018) **Grade: 11**

No recommended summer assignment

AP World History (#8097) **Grades, 10- 12**

No recommended summer assignment

Appendix A
AP Calculus AB

Appendix B
AP Calculus BC