

Course Guide and Prerequisites

grade is weighted

3rd yr science/CTE

UC a-g approved course

Subject Area: Social Science

Course Title	grade				prerequisite
World Cultures	10			a	None
AP European History (AP)	10-12	✓		a	A or B English, 3.0 GPA
US History	11			a	World Cultures
AP US History (AP)	11	✓		a	A or B in Social Science and English, 3.0 College Prep GPA
Government/Economics	12			a/g	US History
AP Government and Politics US (AP)/Economics	12	✓		a/g	A or B in US History/AP US History and English 11/AP English Language, 3.0 College Prep GPA
AP Human Geography (AP)	10-12	✓		a	A or B in English and/or previous Social Science class, 3.0 College Prep GPA ;only counts SS Elective

Subject Area: English

Course Title	grade				prerequisite
English 1	9			b	None
Honors English 1	9			b	A or B in previous English, Grade Level Reading Recommended (8)
English 2	10			b	English 1
Honors English 2	10			b	A or B in Honors English/English 1, 3.0 GPA
English 3	11			b	English 2
AP English Language (AP)	11	✓		b	A or B in Honors English 2/ English 2, 3.0 College Prep GPA
AP English Literature (AP)	12	✓		b	A or B in AP English Language/English, 3.0 College Prep GPA
English 4	12			b	English 3
English 4: CSU ERWC	12			b	English 3
English 4: GPS	12			b	English 3 and involved in the GPS program
AP Seminar (AP)	10-12	✓		b	3.0 College Prep GPA, only counts as an English Elective

Subject Area: Math

Course Title	grade				prerequisite
Integrated Math 1 Foundations	9-12				D or F in previous math course (8th grade)
Integrated Math 1	9-12			c	C or better in previous course
Integrated Math 2 Foundations	9-12				D or better in Integrated Math 1
Integrated Math 2	9-12			c	Cor better in Integrated Math 1, "B" recommended
Integrated Math 3 Foundations	9-12				Integrated Math 1 and Integrated Math 2 ("D or Low C")
Integrated Math 3	9-12			c	C or better in Integrated Math 2, "B" recommended
Advanced Algebra and Financial Applications	11-12			c	C or higher in IM3/Algebra 2
Satistics/Probability/Problem Solving	9-12			c	C or higher in IM3/Algebra 2
Trigonometry	9-12			c	C or higher in IM3/Algebra 2
Pre Calculus	9-12			c	B recommended in IM3
Highlights of Calculus	9-12			c	C or lower in Pre Calculus
AP Calculus A/B (AP)	10-12	✓		c	Pre-Calculus (<i>Recommended: B in Precalculus</i>)
AP Calculus B/C (AP)	10-12	✓		c	AP Calculus A/B (<i>Recommended: B in Calculus A/B</i>)
AP Statistics (AP)	10-12	✓		c	A or B in Algebra 2 and English, 3.0 College Prep GPA
Personal Business Finance	11-12				Integrated Math 1 and Integrated Math 2 (cannot be used for college admissions)

Subject Area: Science

Course Title	grade				prerequisite
Biology: The Living Earth	9			d	None
Chemistry of the Earth's Systems	10-12		✓	d	Biology, Concurrent enrollment in IM1
Honors Chemistry of the Earth's Systems	10-12	✓	✓	d	Biology and Integrated Math 2 with B or better, 3.0 College prep GPA
Physics in the Universe	10-12		✓	d	Biology, Concurrent enrollment in IM1
Honors Physics in the Universe	10-12	✓	✓	d	Biology and Integrated Math 2 with B or better, 3.0 College prep GPA
Human Anatomy and Physiology	10-12		✓	d	Integrated Math 1, Biology with "C" or better, and concurrently enrolled in Chemistry or Physics
Forensics	11-12		✓	d	2 years of science (Biology, Chem, Physics) and Integrated Math 1 with a "C" or better
AP Environmental Science (AP)	11-12	✓	✓	d	A or B in 2 years of College Prep Science and Integrated Math 1; concurrent enrollment in Int Math 2 or higher recommended, 3.0 College Prep GPA

AP Biology (AP)	11-12	✓	✓	d	B in Biology, Chemistry, and Integrated Math 2, 3.0 College prep GPA
AP Chemistry (AP)	11-12	✓	✓	d	A or B in Honors Chemistry (or Chemistry with Teacher's recommendation) and Integrated Math 3, 3.0 College Prep GPA
AP Physics 1 (AP)	11-12	✓	✓	d	A or B Chemistry or Physics and Integrated Math 3; Concurrent enrollment in Pre-Calculus or higher, 3.0 College Prep GPA
Subject Area: Language other than English					
Course Title	grade				prerequisite
German 1	9-12			e	C in English recommended
German 2	9-12			e	C (B recommended) in German 1
German 3	9-12			e	C (B recommended) in German 2
AP German (AP)	9-12	✓		e	C in English recommended
Spanish 1	9-12			e	C (B recommended) in Spanish 1 (or middle school Span 1A + 1B); 'C' in English required
Spanish 2	9-12			e	C (B recommended) in Spanish 1 (or middle school Span 1A + 1B); 'C' in English required
Spanish 3	9-12			e	C (B recommended) in Spanish 2 (or middle school Span 2)
Spanish 4	9-12			e	C in Spanish 3
AP Spanish (AP)	9-12	✓		e	Spanish 3 or 4 Recommended: C in Spanish 3 or 4
French 1	9-12			e	C in English required
French 2	9-12			e	C in French 1
French 3	9-12			e	C in French 2
French 4	9-12			e	C in French 3
AP French (AP)	9-12	✓		e	French 3 or 4 Recommended: C in French 3 or 4
Subject Area: Visual And Performing Arts (VAPA)					
Course Title	grade				prerequisite
Ceramics 1	9-12			f	None
Ceramics 2, 3	10-12			f	C in previous level Ceramics
Ceramics 4	10-12				C in previous level of Ceramics
Drawing and Painting 1	9-12			f	None
Drawing and Painting 2-3	9-12			f	C in previous level Drawing and Painting
AP Drawing (AP)	10-12	✓		f	A or B in Drawing & Painting 3 or approval from teacher if only year 2 completed
Digital Art 1	9-12		✓	f	None
Digital Art 2	10-12		✓	f	C in Digital Art 1
AP 2 D Design (AP)	11-12	✓	✓	f	A or B in Digital Art 2, 3.0 College Prep GPA
Drama 1	9-12			f	None
Drama 2-4	9-12			f	C in Drama 1
Video Production 1	9-12		✓	f	None
Video Production 2	10-12		✓	g	C in Video Production 1
Intro Tech Theatre	9-12			f	none
Technical Theater in Production	10-12			f	A or B Recommended in Intro Tech Theater
Guitar	9-12			f	None
Advanced Drafting and Architecture	11-12			f	Civil Engineering and Architecture or teacher recommendation
Film as Visual Literature	11-12			f	2.5 college prep GPA
Orchestra	9-12			f	3 years of music experience – private or in public education
Concert Band/Color Guard	9-12			f	None
Jazz Band	9-12			f	Audition only
Jazz Choir	9-12			f	Audition only
Concert Choir	9-12			f	None
Chamber Choir	9-12			f	Audition only
PE/Health					
Course Title	grade				prerequisite
Fitness 1	9				None
Fitness 2: Team Sports	10-12				Fitness 1
Course 3: Dance	10-12				Fitness 1
Course 3: Weight Training	10-12				Fitness 1
Course 3: Yoga	10-12				Fitness 1
Course 4: Advanced Conditioning (football)	10-12				Fitness 1
Course 4: Sports Specific Training	10-12				Fitness 1
Drivers Education/ Health	9-12				None
Health (1 semester)	11-12				None
Enriched Health Education (yearlong)	9-12			g	None
Career and Technical Education (CTE)					
Course Title	grade				prerequisite
Intro to Engineering Design (PLTW 1)	9-12		✓	g	Concurrent Enrollment in Integrated Math 1 or higher
Honors Principles of Engineering (PLTW 2)	10-12	✓	✓	d	C in Engineering Design and concurrent enrollment in Integrated Math 2 or a higher math course
Honors Civil Engineering & Architecture (PLTW 3)	10-12	✓	✓	d	A or B IM 1 or higher OR There is absolutely no need for students to take Intro to Engineering or Principals of Engineering.The class is more about designing building that
Manufacturing and Product Design	9-12		✓	g	Enrolled in IM1 or higher
Adv. Manufacturing and Product Design	10-12		✓	g	Complete Intro. Product Innovation and Design with a "C" or better; Concurrent enrollment in Integrated Math 1 or higher; or teacher approval
Honors. Manufacturing and Product Design	11-12	✓	✓	g	Advanced Manufacturing and Product Design with a "B" or better OR Introduction to Manufacturing and Product Design with teacher approval

TV Productions	11-12		✓		C in Video Production 2
Computer Applications	9-12		✓		none
Computer Game Design and Animation	10-12		✓	g	none
Exploring Computer Science	9-12		✓	g	none
Computer Science and Programming	10-12		✓	g	C or better in Integrated Math 1 and Exploring Computer Science
AP Computer Sci A (AP)	11-12	✓	✓	c	A or B in Exploring Computer Science AND Computer Science and Programming OR Eng Design and HPOE; 3.0 College GPA
Career and Technical Education Internship (Work Experiance)	11-12		✓		valid work permit

Electives

Course Title	grade				prerequisite
AP Research (AP)	11-12	✓		g	A or B in AP Seminar, 3.0 College Prep GPA
Yearbook	9-12				2.0 GPA, B in English
Humanities (Academic Decathlon)	9-12			g	None
Speech and Debate 1	9-12			g	None
Speech and Debate 2	10-12			g	C in Speech and Debate 1
ASB Government/Leadership	9-12				elected/application based course
Life Skills	11-12				None
Sociology/Psychology	11-12			g	Recommended: 2.5 overall GPA
AP Psychology (AP)	11-12	✓		g	3.0 College Prep GPA
Success 101	9				counselor/teacher recommendation/placement
Ethnic Studies	9-12				None
Teacher Assistant	11-12				None; teacher approval
TA Office	11-12				None; office approval
Open periods (1): 1st or 6th	11-12				Must have completed 120 credits by the beginning of 11th grade
Open periods (2): 1st/2nd, 5th/6th, 1st and 6th	12				Must have completed 170 credits by 12th grade 5 period day; 4 period day requires that 180 credits to be complete
Definition of Terms:					
Earns weighted grade	Course is given an extra grade point in GPA if the course is completed with a "C" or higher				
Fulfills the 3rd yr of science/CTE graduation requirement	Courses in this category fulfill the FCUSD graduation requirement of "Fine Art/Foreign Language/CTE" or "3rd year science/CTE"				
UC a-g approved course	Courses in this category have been approved by the University of California as College Prep courses that are used to calculate college eligibility				