



California Academy of Mathematics and Science

1000 E. Victoria Street, Carson, California 90747
 (310) 243-2025 FAX: (310) 516-4041 www.lbschools.net/cams

CAMS Course of Study 2023-24

"a-g" Requirements		HS Credits	9 th Grade	10 th Grade	11 th Grade	12 th Grade	
Technical Core	Courses Required by California Public University Systems		220 credits are required to earn a diploma	Intro. to Design (f) (1303) Computer Sci. Essen. (g) (1381C)	Intro. to Biotechnology (d) (3867)	<input type="checkbox"/> AP Computer Sci. A (g) (1378C) or <input type="checkbox"/> Inter. Biotechnology (d) (3568) <input type="checkbox"/> Comp. Integr. Mfg.(g) (2511) <input type="checkbox"/> Digital Electronics (g) (2507) <input type="checkbox"/> Aerospace Engineering (g) (2515)	<input type="checkbox"/> Adv. Biotechnology (d) (3875) or <input type="checkbox"/> Engineering Design Dev.(g) (2509) <input type="checkbox"/> AP Computer Sci. A (g) (1378C) <input type="checkbox"/> Software Design & Dev. A (g) (1387) <input type="checkbox"/> Digital Electronics (g) (2507) <input type="checkbox"/> Aerospace Engineering (g) (2515)
	(a) History	2yrs	30		AP World History (2318)	AP US History (2236)	US Government (2241) & Economics (g) (2311)
	(b) English	4yrs	40	English 1-2 Acc. (1403)	English 3-4 Acc. (1407)	AP English Language (1458)	<input type="checkbox"/> AP English Literature (1449) or
	(c) Math	3yrs	40	<input type="checkbox"/> Geometry Acc. (2971) or <input type="checkbox"/> Algebra 2 Acc. (2964)	<input type="checkbox"/> Algebra 2 Acc. (2964) or <input type="checkbox"/> AP Precalculus (2999)	<input type="checkbox"/> AP Precalculus (2999) or <input type="checkbox"/> AP Calculus AB (3158) <input type="checkbox"/> AP Calculus BC (3159)	<input type="checkbox"/> AP Calculus AB (3158) or <input type="checkbox"/> AP Calculus BC (3159) <input type="checkbox"/> AP Statistics (c) (3157)
	(d) Lab Science	2yrs	20	<input type="checkbox"/> Medical Biology (3870) or <input type="checkbox"/> AP Environmental Sci. (4032)	Chemistry 1-2 Honors (3832)	AP Physics 1 (3854)	<input type="checkbox"/> Anat./Phys. Honors (3815) or <input type="checkbox"/> AP Physics 2 (3855)
	(e) World Lang.	2yrs	10 or VAPA	<input type="checkbox"/> Japanese 1-2 (1760) or <input type="checkbox"/> Spanish 1-2 (1831) <input type="checkbox"/> Span. for Span.. Sp. 5-6 (1860)	<input type="checkbox"/> Japanese 3-4 (1761) or <input type="checkbox"/> Spanish 3-4 (1832) <input type="checkbox"/> AP Spanish Lang. (1860)	<input type="checkbox"/> Japanese 5-6 (1762) or <input type="checkbox"/> Spanish 5-6 (1833)	<input type="checkbox"/> AP Japanese Language (1781) or <input type="checkbox"/> AP Spanish Language (1860)
	(f) Visual/ Perf. Art	1yr	10 or WL	see technical core			
	(g) Electives	1yr	60	See Suggested Electives	See Suggested Electives	See Suggested Electives	See Suggested Electives
Physical Education		20	Intro. to Kinesiology/PE 9 (3704)	Adv. Kinesiology/PE 10 (3707)			
Suggested Elective Courses	Elective courses that provide pathway support or enrichment		<input type="checkbox"/> Art Foundations 1-2(f) (1082) <input type="checkbox"/> Dance 1-2 (f) (3483) <input type="checkbox"/> Instruments 1-2 (f) (3466) <input type="checkbox"/> AP Human Geography (a) (2323) <input type="checkbox"/> Intro. to Psychology (g) (2227) <input type="checkbox"/> Intro. to Sociology (g) (2231) <input type="checkbox"/> Prin. of Engineering (g) (2503) <input type="checkbox"/> Dig. Design & Yearbook (2830) <input type="checkbox"/> Student Council (2800)	<input type="checkbox"/> AP Statistics (c) (3157) <input type="checkbox"/> Art Foundations 1-2(f) (1082) <input type="checkbox"/> Dance 1-2 or 3-4 (f) (3483 3484) <input type="checkbox"/> Instruments 1-2 (f) (3466) <input type="checkbox"/> AP Seminar (g) (1453) <input type="checkbox"/> AP Comp. Sci. Prin. (g) (1380C) <input type="checkbox"/> Comp. Integr. Mfg.(g) (2511) <input type="checkbox"/> Digital Electronics (g) (2507) <input type="checkbox"/> Intro. to Psychology (g) (2227) <input type="checkbox"/> Intro. to Sociology (g) (2231) <input type="checkbox"/> Dig. Design & Yearbook (2830) <input type="checkbox"/> Student Council (2800)	<input type="checkbox"/> AP Statistics (c) (3157) <input type="checkbox"/> Art Foundations 1-2(f) (1082) <input type="checkbox"/> Instruments 1-2 (f) (3466) <input type="checkbox"/> Dance 5-6 (f) (3485) <input type="checkbox"/> Aerospace Engineering (g) (2515) <input type="checkbox"/> AP Comp. Sci. Prin. (g) (1380C) <input type="checkbox"/> AP Psychology (g) (2224) <input type="checkbox"/> AP Seminar (g) (1453) <input type="checkbox"/> Digital Electronics (g) (2507) <input type="checkbox"/> Software Design & Dev. (g)(1387) <input type="checkbox"/> CSUDH Electives (a – g) <input type="checkbox"/> College Dual Enrollment <input type="checkbox"/> Dig. Design & Yearbook(2830) <input type="checkbox"/> Student Council (2800) <input type="checkbox"/> PE Fitness (3714)	<input type="checkbox"/> AP Statistics (c) (3157) <input type="checkbox"/> Art Foundations 1-2(f) (1082) <input type="checkbox"/> Instruments 1-2 (f) (3466) <input type="checkbox"/> Dance 7-8 (f) (3486) <input type="checkbox"/> Aerospace Engineering (g) (2515) <input type="checkbox"/> AP Comp. Sci. Prin. (g) (1380C) <input type="checkbox"/> AP Psychology (g) (2224) <input type="checkbox"/> AP Research (g) (1456) <input type="checkbox"/> Comp. Integr. Mfg.(g) (2511) <input type="checkbox"/> Digital Electronics (g) (2507) <input type="checkbox"/> Software Design & Dev. (g)(1387) <input type="checkbox"/> CSUDH Electives (a – g) <input type="checkbox"/> College Dual Enrollment <input type="checkbox"/> Dig. Design & Yearbook Pub. (2830) <input type="checkbox"/> Student Council (2800) <input type="checkbox"/> PE Fitness (3714)	