School: **Lakewood High School**
Pathway Name: **Applied Technology Magnet (ATM)**
Industry Sector: **Information & Communication Technology**

Pathway Vision: To explore new technologies, new experiences, and new ways of understanding data to innovate and create tomorrow's diverse digital world.
Pathway Mission: Students STEAM forward, exploring Information and Communication Technology career paths through programming, robotics, information systems, and big data, which offer them opportunities to study and participate in the development and use of high-demand and emerging technologies.

2027-2028 Course of Study
Graduating Class of 2031

		HS Grad Req.	9th grade	10th grade	11th grade	12th grade	UC/ CSU A-G Req.
Technical Core	**Required Technical Core** *3-course thematic sequence: CTE, PLTW, or Technical*	3		1374: Exploring Computer Science	2656: Physics Through Robotics and Programming	2551: Product Design	'g' 1
Academic Core	History/Social Science	3		2271/2271E: Modern World History or 2318: AP World History	2263/2263E: Ethnic Studies: Our American Histories or 2236: AP US History	2241: Personal Finance/Gov or 2234: Personal Finance/ AP Gov	'a' 2

	English	4	1401: English 1-2 or 1403: Acc English 1-2	1408: English 3-4 or 1407: English 3-4 Acc or 1457: AP Seminar: English 10	1410: English 5-6 or 1458: AP Lang	1470: Diverse Voices or 1449: AP Lit	'b' 4
	Math	3	2986: Algebra 1 or 2971: Geom Accel	2970: Geometry or 2964: Algebra 2 Acc	2963: Algebra 2 or 1379: IDS (after Alg 2) or 3057/3053: Pre Calc/ Honors	<u>Optional</u> 3057/3053: Pre Calc/ Honors or 3158: AP Calculus AB or 3157: AP Statistics	'c' 3
	Lab Science	2	3865: Biology: The Living Earth	3876: Chemistry in the Earth System or 3832: Chemistry Honors			'd' 2
	Language Other Than English (LOTE)	1 or VAPA	World Language	World Language			'e' 2
	Visual and Performing Arts (VAPA)	1 or LOTE	See technical core or met by technical core course				'f' 1
	Optional Pathway-Aligned Elective Course			227/2231: Intro to Psych/Soc or	1371: AP Computer Science Principles		'g' 1
	Physical Education	2	3704: PE 9 or 3209: NJROTC 1-2 or 3786: Marching Band or 3693: PE 9 Dance or 3604: Spirit Leaders or Sport	3707: PE 10 or 3211: NJROTC 3-4 or 3694: PE 10 Dance or Sport			
Global Elective Courses	Additional courses that provide pathway enrichment	3	1082: Art 1-2, 3429: Band 1-2 or 3451: Orchestra 1-2 or 3364: Theater 1 or 3693: Dance or 2623: Graphic Arts 1-2 or 0900:	1082: Art 1-2 or 1083: Art 3-4 Drawing & Painting or 227/2231: Intro to Psych/Soc or	1083: Drawing & Painting Art 3-4 or 1084: Drawing & Painting 5-6 or 1087: Art 3-4 Ceramics or 2224: AP Psych or	1084: Art 5-6 Drawing & Painting or 1089: Art 5-6 Ceramics or 1041: AP Drawing or 1042: AP 2D Art &	

Updated 9/16/26

			Academic Decathlon or 1451: Creative Writing	2323: AP Human Geography	3854: AP Physics or 4032: AP Environmental Science or 3852: AP Bio or 1456: AP Research or 1860: AP Spanish Lang or 1806: AP French	Design or 1092: Advanced Studio Art or 1043: AP 3-D Art & Design or 1085: Art 7-8 Drawing & Painting	