School: Long Beach Polytechnic High School
Pathway Name: **MEDS**
Industry Sector: Health Science and Medical Technology

Pathway Vision: Poly's Medical Academy is a binary pathway that prepares students for professional cutting-edge careers in the health and medical fields related to patient care (physical AND mental/behavioral)and HealthCare Administrative Services.

Pathway Mission: MEDS students will have access to the knowledge and skills necessary to participate in a wide variety of medical fields today. They will develop an understanding of what it means to become an advocate for health and healthy living. In order to achieve this goal, classes within the academy will work collaboratively to encourage curiosity and the desire to explore the medical fields from every level. Most importantly, Poly's MEDS students will demonstrate competency in the practical, social, and ethical practices needed to participate in these fields as well as in the positive lifestyle choices to promote their own healthy family, neighborhood, and community at large.

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	**6066: Health and Career Exploration**		**Patient Care Option:** **-8262 Medical Occupations Terminology**	**Patient Care Option:** **-8268 Med Admin Assistant**	
					Mental Health Care Option: **-2212 Social Work and Health Advocacy** **(11th and 12th Grade New Enrollees Placed Here)**	**Mental Health Care Option:** **-6069 Developing Future Mental and Behavioral Health Professionals Mentorship/Internship**	'g' 1
Academic Core	History/Social Science	3		**AP World 2318** **OR** **Modern World History 2271**	**AP United States History 2236** **or** **Ethnic Studies: US History 2263**	**One Semester Each:** **US Government 2241 OR AP US Government 2234 AND Personal Finance**	'a' 2

	English	4	**Accelerated English 1-2 1403 OR English 1-2 1401**	**AP Seminar English 10 1457 OR English 3-4 1408**	**AP English Language 1458 OR English 5-6 1410**	**AP English Literature 1449 OR Diverse Voices 1470**	'b' 4
	Math	3	**Accelerated Geometry 2971 OR Algebra I 2986**	**Accelerated Algebra 2 2964 OR Geometry 2970**	**AP Pre-Cal 2999 OR Algebra 2 2963**	**Recommended* AP Calc 3158 OR FST 3069, Pre Calc 3057**	'c' 3
	Lab Science	2	**Medical Biology 3870**	**Medical Chemistry 3871**	**Recommended* Anatomy & Physiology (Honors) 3815 or Anatomy & Physiology 3813**	Recommended* Forensic Science 4062 Marine Biology 3809	'd' 2
	Language Other Than English (LOTE)	1 or VAPA	**Spanish 1-2 1831 or Spanish for Spanish Speakers 1-2 1838 OR Chinese 1-2, French 1-2, Japanese 1-2, Khmer 1-2**	**Spanish 3-4 1832 OR Spanish for Spanish Speakers 3-4 1839 OR Chinese 3-4, French 3-4, Japanese 3-4, Khmer 3-4**	**Optional**	**Optional**	'e' 2
	Visual and Performing Arts (VAPA)	1 or LOTE	**Visual Arts Offerings: Art 1-2: Foundations 1082** **Performing Arts Offerings: Instrumental Music , Vocal Music, OR Theatre Arts**				'f' 1
	Optional Pathway-Aligned Elective Course				Pathway Aligned Dual Enrollment	Pathway Aligned Dual Enrollment	'g' 1
	Physical Education	2	**PE 9 3704 Sport/ROTC/Dance**	**PE 10 3707 Sport/ROTC/Dance**			
Global Elective Courses	Additional courses that provide pathway enrichment	3	**Poly Global Electives List** **At Poly, AP courses and Visual and Performing Arts courses are available to students from all pathways, subject to space availability. Please See Counselor for Complete List.**				

Updated 10/26

Work-Based Learning	Required work-based learning opportunities		• Medical guest speakers • CSULB Scholars Program+fieldtrip • GCU Medical Clinics • City of LB Parks+Rec Workforce • EAOP presentation+UCI fieldtrip • 9th Grade Field Trip (MBKU, LB Public Library, and/or UC Irvine) • QPR certification • Introduction to HOSA • Stop the Bleed Certification • Advocacy Project • Career Research Project • Resume development • Personal/Career Portfolio	TBD	Team Stronger 2gether Community Wellness Project	CNA Program-Goodwill Certificate Program Medical Administrator Assistant Program School Based Peer Mentoring	
Integrated Curriculum	Multidisciplinary Integrated Curriculum		-Zine Creation: Health and Career Exploration -FUTURE FOOD VISIONS 2035 -7 Habits for a Highly Effective Teen -Interdisciplinary Project (Health, English, Math, Medical Biology): NUTRITION: the process of providing/obtaining the food necessary for health and growth	The History of Health & Wellness Practices Around the 'World	The Health Care System and Food System in the United States and its correlation to health outcomes in 90813 Documentary Creation and Presentation	High School Seniors making a difference in community health project. Documentary Creation and Presentation	

*** Please note many competitive universities, including the UC system, expect more classes than the minimum a-g requirements. For example, a fourth year of math and a third year of Lab Science and World Language.**