School: Jordan High School
Pathway Name: ACE- Advanced Manufacturing, Construction, and Engineering
Industry Sector: Engineering Design

Pathway Vision: ACE students are innovators, problem solvers and contributing members of society. They dream it, design it and build it..
Pathway Mission: The POLB Academy of Advanced Manufacturing, Construction and Engineering fosters a challenging and collaborative academic environment. Through preparation and application, ACE Graduates will build a broad foundation of knowledge & skills in the design process to plan and construct creative solutions to global challenges.

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	Introduction to Design & Engineering (ID) (1303)	Honors Principles of Engineering PLTW (POE) (2503)	See "Pathway-Aligned Elective Course Optional" Below	Honors PLTW Capstone (2529)	'g' 1
Academic Core	History/Social Science	3		Modern World History (2271) **OR** AP World History (2318)	Ethnic Studies: Our American Histories (2263) **OR** AP US History (2236)	US Government (2241) /Personal Finance **OR** AP US Government (2234)/ Personal Finance	'a' 2
	English	4	English 1-2 (1401) **OR** English 1-2 ACC (1403)	English 3-4 (1408) **OR** AP Seminar: English 10 (1457)	English 5-6 (1410) **OR** AP English Language (1458)	ERWC (1474) **OR** AP English Literature (1449)	'b' 4

	Math	3	Algebra 1-2 (2986) **OR** Geometry ACC (2971)	Geometry (2970) **OR** Algebra II ACC (2964)	Algebra II (2963) **OR** AP Precalculus (2999)	*<u>Optional</u> Pre-Calculus H (3055) **OR** AP Calculus AB (3158)	'c' 3
	Lab Science	2	Biology: The Living Earth (3865)	Physics of the Universe (3853)			'd' 2
	Language Other Than English (LOTE)	1 or VAPA	Spanish 1-2 (1831) **OR** Spanish for Spanish Speakers 1- 2 (1838)	Spanish 3-4 (1832) **OR** Spanish for Spanish Speakers 3-4 (1839)			'e' 2
	Visual and Performing Arts (VAPA)	1 or LOTE	Visual **OR** Performing Art Elective				'f' 1
	Optional Pathway-Aligned Elective Course	3-4			Honors Civil Engineering & Architecture PLTW (CEA)(2513) **OR** Honors Computer Integrated Manufacturing PLTW (CIM) (2511)		'g' 1
	Physical Education	2	Intro to PE (3704) **OR** Sport **OR** Dance (3693)	Advanced PE (3707) **OR** Sport **OR** Dance (3694)			
Global Elective Courses	Additional courses that provide pathway enrichment	3	Link to 9th grade electives	Jordan Electives	Jordan Electives	Jordan Electives	

Updated 10/5/26

Work-Based Learning	Required work-based learning opportunities		POLB 101 Engineering Week Experience ACE Mentor Program	Harbor Tour ACE Mentor Program	Soft Skills Mentorship with industry professionals POLB internship Opportunity (Students must apply) ACE Mentor Program POLB-Women in Trade	Certifications: OSHA-10 Manufacturing POLB internship Opportunity (Students must apply) ACE Mentor Program Optional: Medallion offered for students who complete an additional 50 hours of volunteering in an Advanced manufacturing, Construction, or Engineering setting.	
Integrated Curriculum	Multidisciplinary Integrated Curriculum (Titles and courses involved)					Senior Capstone Project: Persuasive Writing	