

TSTEM Engineering 4-yr Crosswalk

Program of Study	IHE Partner	Program Previously Offered in District? (Y/N)	Expected Program Student Outcomes
STEM Engineering	El Paso Community College	Y	AutoDesk Certified Professional

Year/Grade Level	High School Course		Post-Secondary Course	
	High School Course Name	High School Credits	College Course Name	College Credit Hours
Year 1/Grade 9	Pre AP English I	1.0	in progress based on 8 th grade TSI	
Year 1/Grade 9	Pre AP Algebra I	1.0		
Year 1/Grade 9	Pre AP Biology	1.0		
Year 1/Grade 9	AP World History	1.0		
Year 1/Grade 9	Business Information Management	1.0		
Year 1/Grade 9	Speech / Health	1.0	1321Speech	0.5
Year 1/Grade 9	Foreign Language: Pre AP Span or French	1.0		
Year 1/Grade 9	Principles of Applied Engineering	1.0		
Year 1/Grade 9			1300 Education	0.5
Total Year 1 High School Credits		8.0	Total Year 1 College Credit Hours	1.0
Year 2/Grade 10	Pre AP English II	1.0	2301/1301 Dual Psychology/Sociology	6.0
Year 2/Grade 10	Pre AP Geometry	1.0		
Year 2/Grade 10	Pre AP Chemistry	1.0		
Year 2/Grade 10	AP Human Geography	1.0		
Year 2/Grade 10	Foreign Language Pre AP Span or French	1.0		
Year 2/Grade 10	Physical Education	1.0		
Year 2/Grade 10	Engineering Design and Presentation	1.0		
Year 2/Grade 10	Elective (highly recommend CS course)	1.0		
Total Year 2 High School Credits		8.0	Total Year 2 College Credit Hours	6.0
Year 3/Grade 11	AP English III	1.0	Dual English III	6.0
Year 3/Grade 11	Pre AP Algebra II	1.0		
Year 3/Grade 11	Pre AP Physics AP Physics	1.0		
Year 3/Grade 11	AP U.S. History	1.0	Dual U.S. History	6.0
Year 3/Grade 11	Art	1.0		
Year 3/Grade 11	Research and Design	1.0		
Year 3/Grade 11	Elective (highly recommend CS course)	1.0		
Year 3/Grade 11	Advanced Elective	1.0		
Total Year 3 High School Credits		8.0	Total Year 3 College Credit Hours	12.0
Year 4/Grade 12	AP English IV	1.0	Dual English IV	3.0
Year 4/Grade 12	Pre-Calculus	1.0	Dual Pre-Calculus	7.0
Year 4/Grade 12	Science Elective APES	1.0		
Year 4/Grade 12	Government / Economics	1.0	Dual Government/Economics	6.0
Year 4/Grade 12	Engineering Design and Problem Solving	1.0		
Year 4/Grade 12	Elective (highly recommend CS course)	1.0		
Year 4/Grade 12	Elective (highly recommend CS course)	1.0		
Year 4/Grade 12	Advance Elective	1.0		
Total Year 4 High School Credits		8.0	Total Year 4 College Credit Hours	17.0
TOTAL HIGH SCHOOL CREDITS		32.0	TOTAL COLLEGE CREDIT HOURS	34.0