



Math/Science/Engineering Pathway

Description of Pathway:

Engineering

District: Dublin Unified School District

School Site: Dublin

LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	Career Technical Education Courses	Other Required Courses or Recommended Electives	Related Occupations, Certifications, and Student Clubs
SECONDARY	9	Eng. I Eng. I Adv.	Algebra Geometry	Conceptual Physics Biology		(Industrial Drafting)	Foreign Language 2D-Design, Drawing Keyboarding	Occupations Requiring Less Than a Baccalaureate Degree <ul style="list-style-type: none"> ➤ AutoCAD Drafter ➤ Industrial Machinery Mechanic ➤ Industrial Engin. Technician ➤ Technical Writer Occupations Requiring a Baccalaureate Degree <ul style="list-style-type: none"> ➤ Civil Engineer ➤ Chemical Engineer ➤ Mechanical Engineer ➤ Electrical Engineer
	10	Eng. 2 Eng. 2H	Geometry Algebra II or II/Trig	Biology Chemistry	World History AP Euro History		Foreign Language Ceramics Inter. Painting	
	11	Eng. 3 Eng. 3H AP English Lit.	Alg II or Alg II/Trig Trig/Pre-Calculus Statistics	Chemistry Anatomy ROP Environ. Science	US History AP US History	(ROP Auto CAD)	Computer Programming	
	12	Eng. 4 or Eng. 4H Expository Writing AP Eng. Lang.	AP Statistics AP Calculus	AP Chemistry AP Biology Physics/ AP Physics	Civics AP Government Economics		Employ. Educ.	
*Articulated Dual Credit courses may be taken/moved to the secondary level for articulation/dual credit purposes.								Industry recognized certifications, licenses, or Credentials related to this pathway <ul style="list-style-type: none"> ➤ ➤ ➤ ➤ Student Clubs or Organizations <ul style="list-style-type: none"> ➤ Get Set ➤ ➤
POSTSECONDARY	Year 13		Math 1 and 2	Chem IA Physics 8A, 8B		ENGR 10, 22	CS 1	
	Year 14	Eng. 1A	Math 3, 5, 7, 10	Physics 8C, 8D		ENGR 35, 44, 46	Speech 1	
	Year 15		Math 3331 Math 3841 Stat 3502, 3503, 4401	Phys 3280	GE Humanities	ENGR 2120, 2140, 3140, 3190, 2230 2390	ENGR Elective	
	Year 16					ENGR 4100, 4300, 4200, 4610	ENGR Electives GE Performing Arts Upper Division GE	

Work-Based Learning Opportunities

➤ Get Set

➤ DPIE Mentoring Prog.

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LPC- Engineering Transfer Program

CSUEB- B.S. Industrial Engineering