



Math/Science/Engineering Pathway

Description of Pathway:

Computer Technology

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
								Occupations Requiring Less Than a Baccalaureate Degree
SECONDARY	9	Eng. I Eng. I Adv.	Algebra Geometry	Conceptual Physics Biology			Keyboarding Foreign Language	➤ Data Entry
	10	Eng. 2 Eng. 2H	Geometry Algebra II or II/Trig	Biology Chemistry	World History AP Euro History		Foreign Language Computer Programming	➤ Computer Network Technician
	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 Web Page Des. ROP Multi-media	Adv. Computer Prog.	➤ Administrative Assistant
	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.						Occupations Requiring a Baccalaureate Degree
								➤ Systems Analyst
								➤ Computer Programmer
								➤ Software Developer
								➤ Computer Engineer
								Industry recognized certifications, licenses, or Credentials related to this pathway
POSTSECONDARY	Year 13	Eng 1A	Math 1 or 2	Gen Ed	Gen Ed.	CS 1, 2, 41		➤
	Year 14	Eng 43	Math 7 or 41 or 42A Math 44, 10	Health Ed	Humanities Soc 3	CS 20, 21		➤
	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	➤
								Student Clubs or Organizations
								➤ Computer Gaming Club
								➤
								➤

Work-Based Learning Opportunities

➤ Get Set

➤ DPIE Mentoring Prog.

➤

➤

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LPC - A.S. Computer Science. *Also have AA in Computer Information Systems and Computer Networking Technology

CSUEB - B.S. Computer Engineering