	K	Burbank Unified School I	District	PR	OGRAM	OF STUDY:	Industry Sector: Engineering & Architecture Career Pathway: Engineering Academy					
Levels	Grade	CTE Courses	English Language Arts	Math	Social Science	Science	Other Require or Recommende		Dual Articulated Enrollment Courses (College)			
	8	Exploratory Engineering									and and and and and and and and and	
S e	9			Alg 1, Geo, Alg 2	Health	Geo Science Biology	Physical Ed	Wrld Lng VAPA			The Academic Senate strongly recommends that high school students	
c o n	10	Intro to Engineering	English 10		World Hist, AP Euro Hist		Physical Ed CTE	Wrld Lng VAPA			take and strive to pass college prep English and mathematics courses all through high school, including four years of	
d a r y		Principles of Engineering				Chem, AP Chem Anatomy, AP Bio Phys, AP Phys	CTE	Wrld Lng VAPA				
	12	Digital Electronics Eng Design	English 12 ERWC		Econ/Gov AP Econ/Gov	Anatomy, Marine, AP Bio AP Chem, AP Phys	CTE	Wrld Lng VAPA			progressively more challenging math courses.	
		AS-T Courses	Additio	nal and Optional Cours		<u>. </u>	cation Requirements		Occi	upations Relating t		
P		For completion of AS-T Degree	For completion of Local AS/AA Degree (total Units)	For completion of Achievement Certificate (total units)	For completion of Skills Certificate (total Units)	Area A English Language Communication & Critical Thinking (9 units)	Area B Scientific Study & Quantitative Reasoning with 1 lab (9 units)	Area C Arts & Humanities (9 units)	Careers requiring a high school diploma or equivalent		Careers requiring a BA / BS degree	
o	4		Electro-	Engineering/ Electro-		Eng Comp	Math	Arts	General, Painting, or		Engineer Design Engineer Architect	
s	1 3		AS Degree	Mechanical Certificate			Physical Science	Humanities	Plumbing and Heati Contractor Mason		Chemical Engineer Scientist Technical Supervisor	
T S				ENGR 100,101,104, 106,108,109		Critical Thinking	Life Science		Property Developer Electrician	r	Pharmaceutical Process	
E	4		T ED 140,143 Plus General Education Courses	T ED 140,143		Area D Social Sciences (9units)	Area E Lifelong Learning & Self Development (3 units)	When course requirements are counted for credit in more than one area, i.e. double	Careers requirir post- seco	•	Careers requiring a BA/BS+	
0	1 4		Courses				Psych Comm Recreation	counted, students must complete additional	Quantity Surveyor Project Estimator Production Cost Estimator Procurement Technician Preconstruction Manager Job Cost Estimator Investment Recovery Tech Estimator Project Manager		Architect Manufacturing Engineer Truss Designer Transportation Engineering Technician Surveyor Structural Technician Structural Engineering Technician Project Engineer Plumbing Designer	
N						Govi	Physical Ed Dance	units to result in a cumulative				
D								total of 60 units.				
A R												
Υ									Careers required degree		Parking Analyst Highway Technician	
G C		NOTES:								is Mgr. ion Inspector Tech	Highway Engineering Technician ctor PATHWAY Creating School to College Articulation	

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