Burbank Unified School District

PROGRAM OF STUDY:

Career Pathway: Digital Manufacturing Industry Sector: Manufacturing and Product Development

Levels	Grade	CTE Courses	English Language Arts	Math	Social Science	Science	Required Courses or Recommended Electives		Dual Enrollment	Articulated Courses (College)
Secondary	9		English 9	Alg 1, Geo, Alg 2	Health	Geo Science Biology	Physical Ed	Wrld Lng VAPA		
	10		English 10	Geo, Alg 2, Pre-calc	World Hist, AP Euro Hist	Biology Chemistry	Physical Ed CTE	Wrld Lng VAPA		
	11	CAD 1	English 11	Alg 2, Pre-calc, AP Calc	US Hist AP US Hist	Chem, AP Chem, Anatomy, AP Bio, Phys, AP Phys	CTE	Wrld Lng VAPA		
	12	CAD 2	English 12 ERWC	Pre-calc, AP Calc, Stats	Econ/Gov AP Econ/Gov	Anatomy Marine Bio, AP Bio,AP Chem, AP Phys	CTE	Wrld Lng VAPA		

The Academic Senate strongly recommends that high school students take and strive to pass college prep English and mathematics courses all through high school, including four years of progressively more challenging math courses.

Levels	Grade	AS-T Courses: ...For completion of AS-T Degree	Additional and Optional Courses ……: ...For completion of Local AS/AA Degree (total Units)	...For completion of Achievement Certificate (total units)	...For completion of Skills Certificate (total Units)	General Education Requirements: 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)	Occupations Relating to this Pathway: Careers requiring a high school diploma or equivalent	Careers requiring a BA / BS
POST SECONDARY - GCC	13		**Architectural Drawing & Design- AS Degree** Arch 101,102, 103,105,106,120,125,130,135, 130 or 150, BUSAF 152, ENGR 109, T ED 140,142 Recommended: Art 130 Plus additional General Education for Degree	**Architectural Drawing & Design – Certificate** Arch 101,102, 103,105,106,120,125,130,135, 130 or 150, BUSAF 152, ENGR 109, T ED 140,142 Recommended: Art 130		Eng Comp	Math	Arts	Surveying and Mapping Technicians	Architect Landscape Architect Aerospace Engineers Agricultural Engineers Cartographers and Photogrammetrists Health and Safety Engineers Materials Engineers Mechanical Engineers Surveyors
						Oral Communications	Physical Science	Humanities		
						Critical Thinking	Life Science			
	14					**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 counted, students must complete additional transferable units to result in a cumulative total of 60 units.**	**Careers requiring some post- secondary**	**Careers requiring a BA/BS +**
						US Hist	Psych Comm Recreation Physical Ed Dance		Aerospace Engineering and Operations Technicians	Urban and Regional Planners
						Govt				
						Econ				**For students interested in attending a UC Campus, be aware that requirements meeting the CSU GE pattern *may vary* from IGETC GE requirements. Students are encouraged to consult a college counselor for clarification.**
									Careers requiring 2 year degree	
									Civil Engineering Technicians Drafters Mechanical Engineering Technicians	

Notes:

STATEWIDE CAREER PATHWAYS
Creating School to College Articulation