



Levels	Grade	CTE Courses	English Language Arts	Math	Social Science	Science	Required Courses or Recommended Electives		Dual Enrollment	Articulated Courses (College)
Secondary	8	Computer Applications								 <p>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.</p>
	9	Digital Applications 1	English 9	Alg 1, Geo, Alg 2	Health	Geo Science Biology	Physical Ed Wrld Lng VAPA			
	10	Digital Applications 2	English 10	Geo, Alg 2, Pre-calc	World Hist, AP Euro Hist	Biology Chemistry	Physical Ed CTE Wrld Lng VAPA			
	11	Web Design	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	Computer Science	English 12 ERWC	Pre-calc, AP Calc, Stats	Econ/Gov AP Econ/Gov	Anatomy Marine AP Bio AP Chem AP	CTE Wrld Lng VAPA			

Levels	Grade	AS-T Courses		Additional and Optional Courses		General Education Requirements			Occupations Relating to this Pathway	
		...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
Post Secondary	13		Computer Science-Degree CS/IS 165,166,211, 212,280- 17 UNITS CS/IS 101,112, 125,130,137, 139,172,174, 190 Math103,104, 107 PHIL 123, PHY101- 20 UNITS Plus additional General Education units for degree	Computer Science-Certificate CS/IS 165,166,211, 212,280- 17 UNITS CS/IS 101,112, 125,130,137, 139,172,174, 190 Math103,104, 107 PHIL 123, PHY101- 20 UNITS		Eng Comp	Math	Arts		Research Scientist Solution Architect Biostatistician Architect Software Engineer Systems Architect Programmer Web Architect Technical Architect Systems Engineer
	14					Critical Thinking	Life Science			Research Scientist Solution Architect Biostatistician Architect Software Engineer Systems Architect Programmer Web Architect Technical Architect Systems Engineer
C						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 transferrable 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		Web Developer Web Administrator Telecommunications engineer Computer Support Tech User Support Specialist User Support Analyst Supervisor User Support Analyst Technical Support Technician	Systems Engineer Systems Analyst Software Engineer Scientific Programmer Analyst Research Scientist Research and Development Engineer Programming Methodology and Languages Researcher
									Careers requiring 2 year degree	<p>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.</p>  <p>STATEWIDE CAREER PATHWAYS Creating School to College Articulation</p>
Notes:										