

Torrance USD Program of Study for ENG Architectural Design Pathway 159

Industry Sector: Engineering & Architecture (ENG)					Pathway: Architectural Design (159)						
Torrance Unified School District (TUSD) Program of Study											
Site	Grade	English	Math	Social Studies	Science	Other Required Courses or Recommended Electives			Career Technical Education Course	Occupations, Degrees, & Certificate Programs	
T O R R A N C E U N I F I E D	7	English 7	Math 7	Soc. St. 7	Science 7	Elective	PE	--	--	<u>Occupations (High School Diploma)</u> ● Engineering Aide ● Junior Drafter ● Drafting Apprentice ● Construction Apprentice	
	8	English 8	Math 8	Soc. St. 8	Science 8	Elective	PE	--	--		
	9	English 1	Algebra 1	--	Biology	World Lang	PE	Health	--		
	10	English 2	Geometry	*World History	Chemistry	World Lang	PE	--	--		
	11	English 3 or AP Comp	Algebra 2	*US History	AP CSP	World Lang	--	Fine Arts	Design & Architecture	<u>Occupations (Training/2-Yr Degree)</u> ● Civil Engineer Technician ● Industrial Engineer Technician ● CAD/Revit Designer ● CAD/Revit Technician	
	12	*English 4 or AP Lit	Math Elective	*Gov/Econ	--	--	--	--	Advanced Design & Architecture		
	UC CSU	4 Yrs Req	3 Yrs Req 4 Yrs Rec	2 Yrs Req	2 Yrs Req 3 Yrs Rec	2 Yrs Req 3Yrs Rec	--	1 Yr Fine Arts Req 1 Yr Elective Req	CTE is not req for UC/CSU/TUSD -- These CTE courses meet the Elective Req.	<u>Occupations (4-Yr Degree/Higher)</u> ● Architect ● Architectural Drafter ● Landscape Architect ● Architectural Manager ● Materials Engineer ● City/Urban/Regional Planner	
	TUSD	4 Yrs Req	2 Yrs Req	2 Yrs Req & Econ/Gov	2 Yrs Req	1 Yr Lang or Fine Art Req	2 Yrs Req	1 Sem Health Req			
* Indicates a course that has the option of earning high school credit AND college credit through El Camino (see your high school counselor for details on dual enrollment & articulation)											
E L C A M I N O C O L L E G E	<u>General Education Requirements for ECC Majors</u>					<u>ECC Architecture AS Degree Requirements</u>					
	13 ↓ 15	<u>Required Categories for ECC AS Degree</u> Natural Sciences (3 units) Social and Behavioral Sciences (3 units) Humanities (3 units) Language and Rationality (6 units) <ul style="list-style-type: none"> ● One course from each section: A & B Health & PE (3 units) <ul style="list-style-type: none"> ● Exemption Options: Pass the Contemporary Health Waiver Exam or obtain approval for the Petition for Military Service Credit. Mathematics <ul style="list-style-type: none"> ● Option 1: Pass the Math Competency Test ● Option 2: Pass one approved Math class with a C or better Electives <ul style="list-style-type: none"> ● Additional units needed to total 60 units ● Courses cannot double count in multiple categories 					<u>Architecture</u> <u>Required 26 Units</u> Architecture 100, 104, 119, 150A, 150B, 170, 171, 199 <u>Require 12-13 Units from:</u> Architecture 121, 125, 158, 172, 179 Environmental Technology 165				
		Degree Programs <ul style="list-style-type: none"> ● Architecture ● Environmental Design ● Sustainable Design ● Architectural History/Criticism ● Architectural Science ● Architectural Technology/Technician ● Building Sciences/Technology ● Interior/Landscape Architecture ● City/Urban/Regional Planning <u>Industry Certifications/Licenses</u> Offered at El Camino <ul style="list-style-type: none"> ● Architecture Certificate of Achievement 									
Please note, additional courses are needed to meet the <u>UC/CSU Transfer Requirements</u> . See your ECC counselor for details.											