

CSU Engineering Programs General Education Variances.

Campus	Department	A.1	A.2	A.3	B.1-B.4	B.5	C.1 - C.4 D.1 – D.3	D.4	E	UDWriting	Total GE	Total Eng. +Math and Science	Total Units
Fullerton [1]	ECE	3	3	0	Engineering Majors has to take 30 units of Math and Science Courses.	0	C4: Waived in Fullerton, Long Beach, Los Angeles	0	0	a	24	96 (31)	120
CSU Long Beach [4]	ECE	3	3	0		0		0	3	d	27	93 (33)	120
CSU Los Angeles[5,6]	ECE	3	3	0		0	An additional area C waived in Lost Angeles, Chico and Fresno	0	c	3	21	101	122
CSU Chico[7-10]	ECE	3	3	0		f		3	e	e	24	103 (31)	127
Sacramento[11]	ECE	3	3	3		0		0	0	h	30	93 (30)	123
San Francisco[12,13]	ECE	3	3	0		k		3	3	l	33	96	129
Bakersfield[14]	ECE	3	3	0		0		0	0-3	0-3	24-30	96	120-126
Fresno[15,16]	ECE	3	3	0		n		0	0	0-3	24-27	100	124-127
Northridge[17,18]	ECE	3	3	0		0		0	0	0	27	99(31)	126
San Jose[19,20]	ECE	3	3	0		0		0	0	0	27	93	120
San Diego [21]	ECE	3	3	3		0		3	3	0-3	36-39	97	133-136
SLO [22]	ECE	4	4	0		0		0	4	0-4	40	152	192
Calpoly Pomona[23,24]	ECE	3	3	0		0		3	3	0-3	33	92	125

Campus	Department	A.1	A2.	A.3	B.1-B.4	B.5	C.1 - C.4 D.1 – D3	D.4	E	UDWriting	Total GE	Total Eng. +Math and Science	Total Units
Fullerton [2]	Mechanical	3	3	0	Engineering Majors has to take 30 units of Math and Science Courses.	0	C4: Waived in Fullerton, Long Beach, Los Angeles An additional area C waived in Lost Angeles and Fresno	0	0	A	24	96	120
CSU Long Beach[25]	Mechanical	3	3	0		0		0	3	D	27	93	120
CSU Los Angeles[27]	Mechanical	3	3	0		0		0	0	0-3	21	101	122
CSU Chico[28-30]	Mechanical	3	3	0		r		3	q	E	27	100	127
Sacramento[31]	Mechanical	3	3	3		0		3	0	0-3	33-36	89	122
San Francisco[32]	Mechanical	3	3	0		0		3	3	0-3	30-33	98	128
Bakersfield[33,34] Eng. Sciences	Mechanical	3	3	0		0		0	3	0-3	27-30	96	123
Fresno[35]	Mechanical	3	3	0		0		0	0	U	21	102	123
Northridge[26]	Mechanical	3	3	0		0		0	0	0-3	24-27	102	126
San Jose	Mechanical	3	3	0		0		0	0	0-3	24-27	96	120
San Diego	Mechanical	3	3	3		3		3	3	0-3	36-39	104	140
SLO [36]	Mechanical	4	4	0		0		0	4	0-4	40	152	192 ¹
Calpoly Ponoma [37]	Mechanical	3	3	0		0		3	3	0-3	33	94	127

¹ Quarter System

<p>a: Met by completing electrical engineering lab courses</p> <p>b: Met by Engineering Ethics</p> <p>c: ENGR 1500 : Introduction To Engineering And Technology</p> <p>d: ENGR 310 Business Communications in Engineering Professions (3)**</p> <p>e: EECE 490AW , ME440AW Engineering Profession and Design</p> <p>f: EECE 311 Linear Circuits II</p> <p>g: EECE 490B Engineering and Project Implementation</p> <p>h: Satisfied by Lab courses</p> <p>k: ENGR 300 AND one of ENGR 301 or ENGR 302 (Met in Major Exception)</p> <p>l : ENGR 697GW Engineering Design Project II – GVAR</p> <p>m: Satisfied by MATH 2310 or 2510 (or higher) with grade of C- or better</p> <p>n : Math Elective</p> <p>o : SLO : Critical Thinking is Technical Writing for Engineers (A3)</p> <p>p : Cal Poly Pomona : Interdisciplinary General Education Path</p> <p>q : Civil Engineering 495 satisfies</p> <p>r: MECH 332 is an approved major course substitution for Upper-Division Natural Sciences.</p> <p>s: MECH 440A is an approved GE Capstone substitution</p> <p>u :ENGR 105W or a department-approved writing course</p>	<p>GE Area B.1 -B.4:</p> <p>GE Area B.5 : Upper division Scientific Inquiry and Quantitative Reasoning</p> <p>GE Area C.4 : Arts and Humanities</p> <p>GE Area D.4 : Social Sciences</p> <p>UDWriting : Upper Division Writing</p>
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References

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