

San Jose State University

Bachelor of Science Degree In
General Engineering

Four Year Plan

Freshman Year

Fall	Units	Spring	Units
Math 30, Calculus I	3	Math 31, Calculus II	4
Chem 1A, Gen Chem	5	Physics 50, Mechanics	4
Engr 10, Intro to Eng (Area E)	3	Communications (GE Area A1)	3
Eng 1A, Composition I (Area A2)	5	Eng 1B, Composition II (GE Area C3)	3
		CmpE 30, Intro To Computer Programming	3
Total	16	Total	17

Sophomore Year

Fall	Units	Spring	Units
Math 32, Calculus III	3	CE 99, Introductory Statics	2
Physics 51, Electricity & Magnetism	4	Physics 52, Waves, Light, Heat	4
GE (Areas C1, D2)/American Studies 1A	6	GE(Areas C2, D3)/Am Studies 1B	6
Mate 25, Intro to Materials	3	EE 98, Intro To Circuit Analysis	3
Total	16	Total	15

Junior Year

Fall	Units	Spring	Units
GE (Areas S, V)	6	ENGR/BUS 184, Business Strategy in Practice In Technology Enterprise	3
ISE 130, Engineering Prob & Stat	3	Math 123, Diff. Eq. & Lin. Algebra	3
* ENGR 100W, Eng Reports	3	ENGR 102, Renewable Energy Engineering	3

Advanced GE	3	Advanced GE	3
		Tech Elective	3
Total	15	Total	15

Senior Year			
Fall	Units	Spring	Units
ENGR/BUS 194, Business Organization and Management of Technology Enterprise	3	ENGR 198, Technology & Civilization	3
ENGR 195C, Interdisciplinary Senior Project I	3	ENGR 195D, Interdisciplinary Senior Project II	3
ENGR 104, Renewable Energy Strategies for Society	3	Tech Elective	3
Tech Elective	3	Tech Elective	3
ENGR 180, Individual Studies	2		
Total	14	Total	12

Prog. Total Units = 120

* Must pass WST before enrolling in ENGR 100W, and are encouraged to take the WST as soon as possible after completing ENG1B

MINIMUM UNITS FOR GRADUATION: 120

Students must pass the placement test to enroll in Math 30 and English 1A

General education courses requirements in Areas A3, D1, and all of Area B are waived or satisfied by the major.

AMS 1A.1B cover GE Areas C1, C2, D1, D2, D3, and F, or choose D2/D3 courses that double count in F1-3

Students must also take GE Areas S and V courses. Areas S and V are not currently satisfied by the major.