

SAN JOSE STATE UNIVERSITY - GENERAL ENGINEERING DEPARTMENT
SAMPLE STUDY PLAN FOR B.S. GENERAL ENGINEERING (INTERDISCIPLINARY ENGINEERING)

NAME: Jane Doe Proposed Date of Graduation: Spring 2024
 SJSU Student ID: 001436793
 Catalog Year: Fall 2020

REQUIRED COURSES FOR THE MAJOR									
ALT. INST.	COURSE NUMBER.	COURSE TITLE	UNITS	GRADE	ALT. INST.	COURSE NUMBER.	COURSE TITLE	UNITS	GRADE
	ENGR 10	Introduction to Engineering	3	A	Foothill	ENGR 37	Introduction to Circuit Analysis	3	C
	CMPE 30	Programming Concept	3	B		EE 98	Introduction to Circuit Analysis	3	
	CE 95 or MATE 25	Statics or Introduction to Materials	3	C		EE 97	Introduction to Electrical Engineering Lab	1	B

strikeout the one you did not take. **Community College Articulated Course**

REQUIRED AND ELECTIVE COURSES (59 UNITS)									
ALT. INST.	COURSE NUMBER.	COURSE TITLE	UNITS	GRADE	ALT. INST.	COURSE NUMBER.	COURSE TITLE	UNITS	GRADE
Required Courses					Depth Electives				
	ENGR 100W	Engineering Reports (Z + R)	3	A		ME 20	Design and Graphics	2	A
	ISE 130	Engineering Probability and Statistics	3	C+		ME41	Machine Shop Safety	1	A
	ISE 102	Engineering Economic Systems	3			ME 101	Dynamics	3	
	ENGR 102	Renewable Energy Engineering	3	B		ME180	Workshop for ME101	1	
	ENGR 101	Engineering Seminar	1			ME120	Experimental Method	2	
	ENGR 101	Engineering Seminar	1			ME111	Fluid Mechanics	3	
	ENGR 120	Programming Concepts	3		Technical Electives				
						BUS2 90	Business Statistics	3	A
	ME 106	Fundamentals of Mechatronics Engineering	3			BUS2 130	Introduction to Marketing	3	
	ENGR 199A	Senior Design Project I	1		Breadth or Minor Electives				
	ENGR 199B	Senior Design Project II	2			BUS1 20N	Survey of Accounting	3	B+
	BUS3 186	Professional and Business Ethics (S)	3			BUS1 21	Managerial Accounting	3	
	TECH 198	Technology and Civilizations (V)	3			BUS3 160	Fundamentals of Management	3	
						BUS2 131D	Marketing in New Ventures	3	

Choose one of the engineering programs (Civil, EE,...) as your depth area.

Leave grade blank if you have not taken or are currently taking the class

Community College Articulated Course

PREPARATION FOR THE MAJOR									
ALT. INST.	COURSE NUMBER.	COURSE TITLE	UNITS	GRADE	ALT. INST.	COURSE NUMBER.	COURSE TITLE	UNITS	GRADE
	MATH 30 or 30x	Calculus I	3	A		PHYS 50	Mechanics	4	B+
SJCC	MATH 72	Calculus II	5	C+		PHYS 51	Electricity & Magnetism	4	A
	MATH 31 or 31x	Calculus II	4			ENGL 1B	Argument and Analysis	3	A-
	MATH 32 or 32x	Calculus III	3	B		Biol 10	The Living World	3	A
	MATH 33A or 33LA	Differential Equations	3	B+					
	CHEM 30A or 1A	Introductory Chemistry	3	C					

strikeout the one you did not take.

- The student listed above will have completed all the departmental requirements for the Bachelor of Science degree after:
- Successful completion of the above work.
 - An audit of the student's transcript of record to verify that all appropriate data have been entered accurately.
 - A minimum 2.0 GPA has been achieved in all REQUIRED COURSES and TECHNICAL ELECTIVES COMBINED.
 - A minimum 2.0 GPA has been achieved in all REQUIRED COURSES and TECHNICAL ELECTIVES taken at SJSU.

SIGNATURE OF MAJOR ADVISOR _____ DATE _____

SIGNATURE OF GENERAL ENGR. DEPT CHAIR _____ DATE _____

SIGNATURE OF STUDENT _____ DATE _____