

COLLEGE OF ENGINEERING
Major Form for
Bachelor of Science in Mechanical Engineering

Name: _____ Proposed Graduation Date: _____
(Last) (First) (MI) (Semester) (Year)

SJSU ID: _____ Catalog Year for Graduation: _____

Minimum number of units for the degree: 120

Required Courses for the Major

	Dept.	No.	Title	Units	Grade		Dept.	No.	Title	Units	Grade
1	ENGR	10	Intro to Engineering	3		15	ENGR	100W	Engineering Reports	3	
2	ME	20	Design & Graphics	2		16	ME	106	Fund Mechatro Engr	3	
3	ME	30	Computer Applications	2		17	ME	120	Experimental Methods	2	
4	ME	41	Machine Shop Safety	1		18	ME	147	Dyn Sys Vib Control	3	
5	CE	95	Theory & Appl. Statics	3		19	ME	115	Thermal Engr Lab	1	
6	MatE	25	Intro to Materials	3		20	ME	195A	Sr Design Project I	3	
7	EE	98	Intro to Circuit Analysis	3		21	ME	195B	Sr Design Project II	3	
8	CE	112	Mechanics of Materials	3		22	ENGR	195A	Glob/Soc Issues Engr	1	
9	ME	101	Dynamics	3		23	ENGR	195B	Glob/Soc Issues Engr	1	
10	ME	113	Thermodynamics	4		Capstone Course (3 units)					
11	ME	111	Fluid Mechanics	3			Dept.	No.	Title	Units	Grade
12	ME	130	Appl Engr Analysis	3		24					
13	ME	154	Mech Engr Design	4		Technical Electives (6 units)					
14	ME	114	Heat Transfer	3			Dept.	No.	Title	Units	Grade
						25					
						26					

Legend for external courses, if any:

Courses Required in Preparation for the Major (30 units minimum)

	Dept.	No.	Title	Units	Grade		Dept.	No.	Title	Units	Grade
27	CHEM	1A	General Chemistry	5		31	MATH	133A	Ord Diff Equations	3	
28	MATH	30	Calculus I	3		32	PHYS	50	Physics: Mechanics	4	
29	MATH	31	Calculus II	4		33	PHYS	51	Physics: Elec & Mag	4	
30	MATH	32	Calculus III	3		34	PHYS	52	Physics: Light & Heat	4	

To qualify for a baccalaureate degree in Mechanical Engineering, a student must receive a grade of "C-" or better in courses required for the major. Students must earn a cumulative GPA of at least "C" (2.0) in each one of the following categories: all college work (overall average), all units attempted at SJSU, all units in the major, and all units in any minors.

ME Major Academic Advisor _____ Date _____

Dept. Chair of Mechanical Engineering _____ Date _____

Core GE for all BSME students		Units	Notes
Engl 1A	First Year Writing	3	Satisfies GE Area A2
Engl 1B	Argument and Analysis	3	Satisfies GE Area C2
GE Area A1	(Oral Communication)	3	e.g., COMM 20 or COMM 40
Core GE under AMS option		Units	Notes
AMS 1A	American Civilization	6	AMS 1A/1B sequence satisfies C1, C2; D2, D3; US1,2,3
AMS 1B	American Civilization	6	AMS 1A/1B sequence also exempts D1 for ME majors
Core GE under non-AMS option		Units	Notes
GE Area C1	(Arts)	3	
GE Area C	(Arts and Letters)	3	Another C1 or C2 course is required in addition to C1 and Engl 1B
GE Area D1	(Human Behavior)	3	Not required if taking AMS 1A/1B
GE Area D2	(Comparative Systems)	3	D2, D3 satisfied by HIST 15A/15B, AAS 33A/33B, AFAM 2A/2B, MAS 10A/10B.
GE Area D3	(Social Issues)	3	HIST 15A/15B, AAS 33A/33B, AFAM 2A/2B, MAS 10A/10B also cover US1,2,3.
US1,2, 3	(American Institutions)		May need additional coursework to satisfy US1,2,3 if not using one of these.

Advising Comments: