

**San Jose State University**  
**College of Engineering**  
**Department Industrial & Systems Engineering**  
**Major Form for B. S. in Industrial & Systems Engineering**

Name (Last, First M.): \_\_\_\_\_

Student ID: \_\_\_\_\_

Minimum number of semester units for the degree: 120    Bulletin: \_\_\_\_\_    Proposed Semester of Graduation: \_\_\_\_\_

**ENGINEERING COMMONCORE (minimum 11 units)**

Dept	No.	Title	Unit	Grade	Dept	No.	Title	Unit	Grade
CmpE	30	Computer Engineering I	3		ME	20	Design & Graphics	2	
Engr	10	Engr. Process & Tools	3		MatE	25	Intro to Materials	3	

**REQUIRED COURSES (minimum 50 units)**

ISE	102	Engr Economic Systems	3		ISE	151	Managing Engineering	3	
ISE	105	Systems Engr & Activity Costing	3		ISE	155	Supply Chain Engineering	3	
ISE	115	Comp Integrated Manufacturing	3		ISE	167	System Simulation	3	
ISE	120	Work Methods Design & Mearmt	3		ISE	170	Operations Research	3	
ISE	130	Engineering Statistics	3		ISE	194	Data Analytics Workshop	1	
ISE	131	Statistical Process Contr. & Impvmt	3		ISE	195A	Senior ISE Design I	1	
ISE	135	Design of Experiments	3		ISE	195B	Senior ISE Design II	3	
ISE	140	Operation Planning & Control	3		Engr	100W	Engineering Reports	3	
ISE	142	Service Systems Engr & Mgmt	3		CmpE	131	Software Engineering I	3	

**APPROVED TECHNICAL ELECTTIVES (minimum 6 units, all tech electives must be completed with a grade of C- or better)**

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**Courses Required in Preparation for the Major – Mathematics, Chemistry, Physics (minimum 29 units)**

Math	30	Calculus I	3		Phys	50	Mechanics	4	
Math	31	Calculus II	4		Phys	51	Electricity & Magnetism	4	
Math	32	Calculus III	3		Chem	1A	General Chemistry	5	
Math	123	Linear Alg & Differential Equations	3		Engl	1B	Argument and Analysis	3	

(Student's Signature) \_\_\_\_\_ will have completed all the requirements for the Bachelor of Science in ISE after: (a) successful completion of the above work. (b) An audit of the student's transcript of record to verify that all-appropriate data has been entered accurately. (c) A minimum 2.0 GPA in all required courses has been achieved. (d) A minimum 2.0 GPA in all required & technical electives combined has been achieved. (e) A minimum 2.0 GPA in all required courses&technical electives taken at SJSU has been achieved.

[Signed] \_\_\_\_\_

[Signed] \_\_\_\_\_

Major Advisor.

Department Chair

[Date] \_\_\_\_\_

[Date] \_\_\_\_\_