HOW TO:

Select the appropriate major form:
A student should be using the major form that matches his/her catalog semester/year. Please review the Catalog Rights at https://sites.google.com/a/sjsu.edu/essc-advising-triage/catalog-rights. In most cases, this is based on the California Code of Regulations (40401). This would mean:

1. The semester/year they were admitted to SJSU.
2. The semester/year they began attending regular sessions at a CALIFORNIA community college, provided their attendance was continuous from the time they began the community college to the time they were admitted to SJSU.
3. A student may also choose to follow the major form for the semester/year they are graduating. In this case, they must abide by all curriculum requirements for that semester which may include additional required courses or course grade restrictions.

One major form may apply to multiple semesters so select in the place designated the appropriate semester/year:

Semester/Yr followed (check one)

Fall 2001 ■   Spring 2002 ☐

Indicate which of the semester/year if a major form is applicable to more than one semester/year.

Enter courses not yet completed:
The major form is submitted prior to the student completing their required coursework and therefore some courses listed on the major form may not have grades listed. Make sure to leave the grade field for these courses BLANK. The grades will be entered after a grade has been issued.

Enter courses taken more than once (including incomplete):
If a student took a course more than once because they did not meet the minimum grade requirement, they must only list passing grades.

Handle a special circumstance not addressed in this how to guide:
If a student has a special circumstance for which they are not sure how to fill out their major form, they should come to the Computer Engineering Department's main office in room E284. The department staff will direct the student's question to the appropriate undergraduate advisor for resolution.

Enter courses transferred from another college:
1. Check SJSU Articulation Agreement (http://info.sjsu.edu/home/artic.html) or the ASSIST online guide for articulation agreements (https://www.assist.org/) to determine the equivalency of transferred courses. If the course is not listed on the articulation agreement you must fill out a transfer course equivalency form (https://engineering.sjsu.edu/student-success/engineering-student-success-center/coe-transfer-equivalency) and get it signed by the Department for which the course is equivalent.
2. Cross out the course and units that are equivalent to the transferred course.
3. Type the course number and title of the transferred course directly underneath the course crossed out in 2.
4. Place the units and grade in line with the transferred course.
5. Add an asterisk identifier after the course title and place the name of the college where the transfer course was taken in the box at the bottom right-hand corner of the form.

Dept	No.	Title	Units	Grade
~~CS~~	~~046A~~	~~Introduction to Programming~~	4	
CIS	43	Software Development w/ Java Programming**	4	A
~~CS~~	~~046B~~	~~Introduction to Data Structures~~	4	
CIS	44	Introduction to Data Structures Using Java**	4	A-

Indicate which courses where taken at another college using an asterisk sign. Enter name of college in bottom right-side box

*De Anza Community College
**Mission Community College
***AP Credit

Enter acceptable alternate courses:
Courses listed on the major form are those courses REQUIRED for the curriculum semester/year you are following. Acceptable alternates are not listed. If you took a course that is considered an acceptable alternate to a course listed on the major form you must do the following:

1. Cross out the required course.
2. Type the acceptable alternate course directly underneath the course crossed out in 1.
3. Place the units and grade in line with the alternate course.

Math	~~123~~	~~Differential Equations & Linear Algebra~~	~~3~~	
Math	129A/ 133A	Linear Algebra/ Ordinary Differential Equations	3/3	A/
~~ISE~~	~~130~~	~~Engineering Probability & Statistics~~	~~3~~	
Math	161A	Applied Probability & Statistics I	3	A

The Math 129A & 133A series of courses are considered an acceptable alternate to the required Math 123 course. Math 161A is considered an acceptable alternate to the required ISE 130.

Major Form for Program Starting
Fall 2016 - Fall 2019

SAN JOSÉ STATE UNIVERSITY, COMPUTER ENGINEERING DEPARTMENT
BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Doe	Jane	M	012345678
Last	*First*	*M.I.*	*Student ID*

Total number of units for degree: 120   Catalog year (select one)   Proposed semester of graduation: Fall 2020

Fall 2016 ☐   Graduating Semester ☐

CORE COURSES (Totals 11 units)

Dept	No.	Title	Units	Grade	Dept	No.	Title	Units	Grade
Engr	010	Introduction to Engineering	3	A	~~CS~~	~~046A~~	~~Introduction to Programming~~	4	
					CIS	43	Software Development w/ Java Programming**	4	A
					~~CS~~	~~046B~~	~~Introduction to Data Structures~~	4	
					CIS	44	Introduction to Data Structures Using Java**	4	A-

REQUIRED COURSES (Totals 49 units)

Dept	No.	Title	Units	Grade	Dept	No.	Title	Units	Grade
CmpE	102	Assembly Language Programming	3	A	CS	149	Operating Systems	3	
CmpE	120	Computer Organization and Architecture	3	A	CS	151	Object – Oriented Design	3	B+
CmpE	131	Software Engineering I	3	B+	CS	157A	Introduction to Database Management	3	A
CmpE	133	Software Engineering II	3		CS	166	Information Security	3	
CmpE	148	Computer Networks	3		ISE	164	Computer and Human Interaction	3	
CmpE	165	Software Engineering Process Management	3		CmpE	~~195A~~ 195E	Senior Design Project I	~~2~~ 1	
CmpE	172	Enterprise Software Platforms	3		CmpE	~~195B~~ 195F	Senior Design Project II	3	
CmpE	187	Software Quality Engineering	3		~~Engr~~ RTVF	~~195A~~ 110	~~Global and Social Issues in Engineering (S)~~ Electronic Media & Culture	~~1~~ 3	A+
CS	146	Data Structures and Algorithms	3	A-	~~Engr~~ NUFS	~~195B~~ 144	~~Global and Social Issues in Engineering (V)~~ Food Culture: Consuming Passions	~~1~~ 3	

TECHNICAL ELECTIVES (Totals 6 units)

Dept	No.	Title	Units	Grade	Dept	No.	Title	Units	Grade
CMPE	137	Wireless Mobile Software Engineering	3		CS	174	Server-Side Web Programming	3	

COURSES REQUIRED IN PREPARATION FOR THE MAJOR
Mathematics, Physics & Biology (Totals 33 units)

Dept	No.	Title	Units	Grade	Dept	No.	Title	Units	Grade
Biol	010	The Living World	3	B	Phys	050	Mechanics	4	A-
~~Math~~ AP	~~030~~	~~Calculus I~~ Calculus AB***	~~3~~ 3	CR	Phys	051	Electricity and Magnetism	4	B+
~~Math~~ Math	~~031~~ 1B/1C	~~Calculus II~~ Calculus*/Calculus*	~~4~~ 3.33/3.33	A+/B	~~Math~~ Math	~~123~~ 129A/133A	~~Differential Equations & Linear Algebra~~ Linear Algebra/ Ordinary Differential Equations	~~3~~ 3/3	A/
~~Math~~ Math	~~032~~ 1C/1D	~~Calculus III~~ Calculus*/ Calculus*	~~3~~ 3.33/3.33	B/A-	~~ISE~~ Math	~~130~~ 161A	~~Engineering Probability & Statistics~~ Applied Probability & Statistics I	~~3~~ 3	A
Math	042	Discrete Mathematics	3	B+	Engl	01B	Argument & Analysis	3	B+

Signature of student : _____   **Date**:_____

The student will have completed all the requirements for the Bachelor of Science in Computer Engineering 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 of C- in all REQUIRED COURSES including TECHNICAL ELECTIVES with the exception of the following courses
d) A minimum "C" in Math 030, Math 031, Phys 050, ENGR 100W, CmpE 195 A/B and Engr 195 A/B has been achieved.

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Signature of Major Advisor	**Date**	
Signature of CmpE Department Chair:		**Date**