

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 <http://www.assist.org/web-assist/welcome.html> 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 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 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 were taken at another college using an asterisk sign. Enter name of college in bottom right-side box

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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

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: Spring 2018

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)									
CmpE SE	102	Assembly Language Programming	3	A	CS SE	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 SE	157A	Introduction to Database Management	3	A
CmpE	133	Software Engineering II	3	A-	CS	166	Information Security	3	
CmpE SE	148	Computer Networks	3		ISE	164	Computer and Human Interaction	3	
CmpE	165	Software Engineering Process Management	3		CmpE SE	195A	Senior Design Project I	2	
CmpE	172	Enterprise Software Platforms	3		CmpE SE	195B	Senior Design Project II	3	
CmpE	187	Software Quality Engineering	3		Engr	195A	Global and Social Issues in Engineering (S)	1	
CS	146	Data Structures and Algorithms	3	A-	Engr	195B	Global and Social Issues in Engineering (V)	1	
TECHNICAL ELECTIVES (Totals 6 units)									
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)									
Biol	010	The Living World	3	C+	Phys	050	Mechanics	4	A-
Math	030	Calculus I	3	CR	Phys	051	Electricity and Magnetism	4	B+
Math	AP	Calculus AB***			Math	123	Differential Equations & Linear Algebra	3	
Math	034	Calculus II	4		Math	129A/ 133A	Linear Algebra/ Ordinary Differential Equations	3/3	A/
Math	1B/1C	Calculus*/Calculus*	3.33/ 3.33	A+/B	ISE	130	Engineering Probability & Statistics	3	
Math	032	Calculus III	3		Math	161A	Applied Probability & Statistics I	3	A
Math	1C/1D	Calculus*/Calculus*	3.33/ 3.33	B/A-	Engr	01B	Argument & Analysis	3	B+
Math	042	Discrete Mathematics	3						

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 2.0 GPA in all REQUIRED COURSES has been achieved.
- d) A minimum 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES combined has been achieved.
- e) A minimum 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES taken at SJSU has been achieved.
- f) A minimum "C" in Math 030, Math 031, Phys 050 and Phys 051 has been achieved.
- g) A minimum "C" in CmpE 195 A/B and Engr 195 A/B has been achieved.
- h) A minimum "C-" in all other courses has been achieved.

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