

Major Form for Fall 2001 and Spring 2002

SAN JOSE STATE UNIVERSITY, COMPUTER ENGINEERING DEPARTMENT BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Doe _____ John _____ H. _____ 000111111
Last First M.I. Student ID

Minimum Number of Units for the Degree: 134 **Semester/Yr followed (check one)** Proposed Date of Graduation: Spring 2005
 Fall 2001 Spring 2002

ENGINEERING COMMON CORE (minimum 15 units)

Dept.	No.	Title	Units	Grade	Dept.	No.	Title	Units	Grade
CmpE Engr	46 21	Computer Engineering I Intro to Computing for Engineers*	3	B+	ME	109	Heat Transfer in Electronics	3	C
Engr	40 10	Introduction to Engineering Intro to Engineering*							
Engr	20	Design & Graphics	2	B	EE Engr	98 24	Introduction To Circuit Analysis Intro to Circuit Analysis*	3	B

REQUIRED COURSES (minimum 49 units)

CmpE	101	Prog. Concepts & Prob. Solving	1	CR	CmpE	140	Computer Architecture & Design	3	C
CmpE	124	Digital Design I	3	B+	CmpE	142	Operating Systems Design	3	A
CmpE	125	Digital Design II	3	C	CmpE	152	Compiler Design	3	C
CmpE	126	Algorithm & Data Struct. Design	3	D/B	CmpE	195A	CmpE Senior Design I	1	
CmpE	127	Microprocessor Design I	3	C	CmpE	195B	CmpE Senior Design II	3	
CmpE	130	File Processing	3	B+	Engr	100W	Engineering Reports	3	B-
Engr CmpE	125 131	Software Engineering I Software Engineering I	3	A-	EE	101	Circuit Concepts & Prob. Solving	1	CR
EE	110	Network Analysis			3	D/B	ISE		
EE	122	Electronic Design I	4		Math	129A	Linear Algebra I	3	C

APPROVED TECHNICAL ELECTIVES (minimum 9 units)

CmpE	138	Database Systems I	3	B	CmpE	197	Co-op Education Program	3	A
CmpE	148	Computer Networks 1	3						

COURSES REQUIRED IN PREPARATION FOR THE MAJOR *Mathematics, Chemistry, Physics (minimum 26 units, 29 units F'01 forward)*

Chem	11A	Chemistry for Engineers	5	B	Math	31	Calculus II	4	B+
Phys Phys	70 50	Mechanics General Physics-Mechanics	4	B-	Math	32	Calculus III	3	D/C+
Phys Phys	74 51/52	Electricity & Magnetism Electricity & Mag/Heat & Light			4/4	B/B+	Math		
Math	30	Calculus I	3	A	Math	133A	Ordinary Differential Equations	3	C

*West Valley College

will have completed all the requirements for the

Signature of Student _____

Bachelor of Science in Computer Engineering after:

- Successful completion of the above work.
- An audit of the student's transcript of record to verify that all appropriate data has been entered accurately.
- A minimum 2.0 GPA in all REQUIRED COURSES has been achieved.
- A minimum 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES combined has been achieved.
- A minimum 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES taken at SJSU has been achieved.

(Signed)

(Signed)

Major Advisor _____

Date _____

CmpE Department Chair _____

Date _____

HOW TO:

Select the appropriate major form:

A student should be using the major form for the semester/year that they started in the in the CMPE program. In most case, base 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.

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 transferred from another college:

1. Always consult transfer advisors, they have the latest articulations regulations.
2. 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 at get it signed by the department for which the course is equivalent.
3. Cross out the course that is equivalent to the transferred course.
4. Type the course number and title of the transferred course directly underneath the course crossed out in 1.
5. Place the units and grade in line with the transferred course.
6. Add an asterisk identifier and place the name of the college where the transfer course was taken at the bottom of the form just above the student signature.

Dept.	No.	Title	Units	Grade
CmpE	46	Computer Engineering I		
Engr	21	Intro to Computing for Engineers*	3	B+
Engr	40	Introduction to Engineering		
Engr	10	Intro to Engineering*	3	A
Engr	20	Design & Graphics	2	B

Indicate which course where taken at another college using asterisk. Enter name of college at bottom of form.

*West Valley College

Signature of Student

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.

The Phys 50, 51, 52 series of courses are considered an acceptable alternate to the required Phys 70, 71 courses.

Dept.	No.	Title	Units	Grade
Chem	11A	Chemistry for Engineers	5	B
Phys	70	Mechanics		
Phys	50	General Physics-Mechanics	4	B-
Phys	71	Electricity & Magnetism		
Phys	51/52	Electricity & Mag/Heat & Light	4/4	B/B+

Replace courses listed on major form that are no longer offered:

Courses listed on the major form are those courses REQUIRED for the curriculum semester/year you are following. If a course is no longer offered at the time you were eligible to take the course because of a curriculum course change, than you must take the most recent course offered. In your major form you must do the following:

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

Engr 125 was the required course if the program start semester/year was between Fall 2000 thru Spring 2002. The course was no longer offered after Fall 2002 and was replaced with the required course was changed to CmpE 131 in Fall 2002.

Dept.	No.	Title	Units	Grade
Engr	125	Software Engineering I		
CmpE	131	Software Engineering I	3	A-
EE	110	Network Analysis	3	D/B
EE	122	Electronic Design I	4	

Course not yet completed should leave the grade field BLANK.

All grades received for course must be listed on your major form. This includes if student received an "I" for incomplete or a "W" for withdrawal.

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 list all grades received for that course on their major form. A backslash / should separate each grade. If the student received an incomplete they must also enter this indicator as I (incomplete).

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 main office. The department staff will direct the student's question to the appropriate undergraduate advisor for resolution.