

Major Form for Program Starting Fall 2016

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

Last	First	M.I.
Total number of units for degree: 120	Catalog year (select one)	Student ID
	<input type="checkbox"/> Fall 2016 <input type="checkbox"/> Graduating Semester	Proposed semester of graduation: _____

CORE COURSES (Totals 11 units)									
Dept	No.	Title	Units	Grade	Dept	No.	Title	Units	Grade
Engr	010	Introduction to Engineering	3		CS	046A	Introduction to Programming	4	
					CS	046B	Introduction to Data Structures	4	
REQUIRED COURSES (Totals 49 units)									
CmpE	102	Assembly Language Programming	3		CS	149	Operating Systems	3	
CmpE	120	Computer Organization and Architecture	3		CS	151	Object – Oriented Design	3	
CmpE	131	Software Engineering I	3		CS	157A	Introduction to Database Management	3	
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	Senior Design Project I	2	
CmpE	172	Enterprise Software Platforms	3		CmpE	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		Engr	195B	Global and Social Issues in Engineering (V)	1	
TECHNICAL ELECTIVES (Totals 6 units)									
COURSES REQUIRED IN PREPARATION FOR THE MAJOR <i>Mathematics, Physics & Biology</i> (Totals 33 units)									
Biol	010	The Living World	3		Phys	050	Mechanics	4	
Math	030	Calculus I	3		Phys	051	Electricity and Magnetism	4	
Math	031	Calculus II	4		Math	123	Differential Equations & Linear Algebra	3	
Math	032	Calculus III	3		ISE	130	Engineering Probability & Statistics	3	
Math	042	Discrete Mathematics	3		Engl	01B	Argument & Analysis	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.

*Footnotes if applicable

Signature of Major Advisor	Date	Signature of CmpE Department Chair:	Date
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Major Form Worksheet for BS in Software Engineering

Student Name: _____

Student ID: _____

Curriculum for: *Fall 2016*

Program Start Sem/Year: _____

(To be filled out by reviewer ONLY)

Done	Dept	No.	Title	Comments
	Eng	010	Introduction to Engineering	
	CS	46A	Introduction to Programming	
	CS	46B	Introduction to Data Structure	
	CmpE	102	Assembly Language Programming	
	CmpE	120	Computer Organization and Architecture	
	CmpE	131	Software Engineering I	
	CmpE	133	Software Engineering II	
	CmpE	148	Computer Networks	
	CmpE	165	Software Engineering Process Management	
	CmpE	172	Enterprise Software Platforms	
	CmpE	187	Software Quality Engineering	
	CS	146	Data Structures and Algorithms	
	CS	149	Operating Systems	
	CS	151	Object – Oriented Design	
	CS	157A	Introduction to Database Management	
	CS	166	Information Security	
	ISE	164	Computer and Human Interaction	
	CmpE	195A	Senior Design Project I	
	CmpE	195B	Senior Design Project II	
	Engr	195A	Global and Social Issues in Engineering (S)	
	Engr	195B	Global and Social Issues in Engineering (V)	
	ISE	130	Engineering Probability & Statistics	
	Biol	010	The Living World	
	Math	123	Linear Algebra & Differential Equations	
	Math	030	Calculus I	
	Math	031	Calculus II	
	Math	032	Calculus III	
	Math	042	Discrete Mathematics	
	Phys	050	Mechanics	
	Phys	051	Electricity & Magnetism	
	Engl	01B	Argument & Analysis	
Technical Electives (6 units)				

Reviewer's Signature: _____ Date: _____