

**San Jose State University**  
**College of Engineering**  
**Department of Civil and Environmental Engineering**  
*Major Form for BSCE Catalogs 2013/14 and earlier*

WORKSHEET

Name \_\_\_\_\_ Proposed Date of Graduation \_\_\_\_\_  
 (Last) (First) (MI)

Minimum No. of Units for the Degree: 135 Catalog \_\_\_\_\_

REQUIRED COURSES					REQUIRED COURSES (Continued)				
Dept.	No.	Title	Units	Grade	Dept.	No.	Title	Units	Grade
Engr.	10	Introduction to Engr.	3		C.E.	130	C.E. Economic Anal.	2	
Engr	100W	Engineering Reports	3		C.E.	131	Intro. to Constr. Engr	3	
E.E.	98	Intro. to Circuit. Analysis	3		C.E.	140	Geotechnical Engr	3	
MATE	25	Intro to Materials	3		C.E.	150	Hydro. and Hydraulics	3	
M.E.	101	Dynamics	3		C.E.	160	Structural Analysis	3	
M.E.	111	Fluid Mechanics	3		C.E.	162	Struc. Concr. Design	3	
C.E.	8	Plane Surveying	3		C.E.	170	Princ. of Environ. Engr.	3	
C.E.	20	Engineering Graphics	3		C.E.	181	Civil Engr. Systems	3	
<del>C.E.</del> *ENGR	<del>95</del> 99	<del>Thry &amp; App of Statics</del> Statics/Vector Mechanics	3		C.E.	190	Nm. Sol. C.E. Prob.	2	
C.E.	112	Mechanics of Materials	3		C.E.	192	Prob. Models for C.E.	2	
C.E.	120	Construction Mat. Lab	1		<b>TECHNICAL ELECTIVES 12 Units</b>				
C.E.	121	Transportation Engr	3		C.E.	173	Engr. for Sust. Environ.	3	
					C.E.	172	Solid Waste Mgmt. Engr.	3	
					C.E.	171	Envir. Engr. Analysis & Design	3	
					C.E.	154	Hydraulic Design	3	

**COURSES REQUIRED IN PREPARATION FOR THE MAJOR**  
**Mathematics, Chemistry, Physics, and Science Elective - - - (29 to 34 Units)**

Dept.	No.	Title	Units	Grade	Dept.	No.	Title	Units	Grade
CHEM	1A	General Chemistry	5		MATH	129A	Linear Algebra I	3	
<del>MATH</del>	<del>30</del>	<del>Calculus I</del>	<del>3</del>		MATH	133A	Ord. Diff. Eqn.	3	
*Math	3A	Calc. & Analytical Geo	5		PHYS	50	General Physics	4	
<del>MATH</del>	<del>34</del>	<del>Calculus II</del>	<del>4</del>		PHYS	51	General Physics	4	
*Math	3B	Calc. & Analytical Geo	5		PHYS	52	General Physics	4	
MATH	32	Calculus III	3						

\*= West Valley College (WVC)

**The Bachelor of Science Degree in Civil Engineering will be awarded after:**

- a) Successful completion of the above work.
- b) An audit of the student's transcript of record to verify that all appropriate data have been entered accurately.
- c) A minimum of 2.0 GPA in all REQUIRED COURSES has been achieved.
- d) A minimum of 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES combined has been achieved.
- e) A minimum of 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES taken at SJSU has been achieved.
- f) A minimum of 2.0 GPA in all REQUIRED COURSES and TECHNICAL ELECTIVES in approved CIVIL ENGINEERING courses has been achieved.

[Signed] \_\_\_\_\_ [Signed] \_\_\_\_\_  
 Major Advisor Dept. Chair, Civil Engineering

Date: \_\_\_\_\_