

CIVIL ENGINEERING PLANNING SHEET
(Based on 2014-2015 SJSU Catalog)

Name: _____

SJSU ID: _____

FILL IN SJSU grade earned (if completed); (IP) IN PROGRESS; or (E) EQUIVALENCY (for transfer students)	NO. UNITS	PREREQUISITES AND COREQUISITES	CHECK "X" IF PRE and COREQS SATISFIED
MATH 30 (or MATH 30P) _____ Engl 1A* _____ Oral Comm* _____ Engr 10 _____ CE 8 _____	3 3 3 3	(30) Satisfaction of ELM Requirement; Satisfactory score on Calculus Placement Exam; or Math 19 (with a grade of "B" or better to waive the placement exam) or 3 or higher AP Calc AB Exam, or 3 or higher AP Calc BC Exam Co-requisite of Math 30W. Note: For students who pass this course with a grade of "C" or better ("C-" not accepted), course will be allowed to fulfill Area B4 Must earn C- or better to take Math 31 (30P) Satisfaction of ELM requirement; Satisfactory score on Calculus Placement Exam; or Math 19 (with a grade of "C" or better) or 3 or higher on AP Calc BC. Co-requisite of Math 30W. Note: For students who pass this course with a grade of "C" or better (C-" not accepted), course will be allowed to fulfill Area B4 Must earn C- or better to take Math 31 English Placement Test Eligible for Math 19 or ENGL 1A. Engineering Majors only. Math 19 or (eligibility for Math 30 or 30P)	_____ _____ _____ _____ _____
MATH 31 _____ Physics 50 _____ ENGL 1B* _____ Chem 1A _____	4 4 3 5	Math Remediation Completed, or post baccalaureate, or Open University; Satisfactory score on the Calculus Placement Exam or MATH 30 or MATH 30P (with a grade of "C-" or better). Co-requisite of Math 31W Note: For students who pass this course with a grade of "C" or better ("C-" not accepted), course will be allowed to fulfill Area B4. Must earn C- or better to take Math 32 Must earn C or better to take Physics 51 Math and English Remediation Completed or a post baccalaureate. 3 or better on AP Calc Test or 'C' or better in Math 30 or Math 30P. Must earn C or better to take Physics 51 ENGL 1A and EPT Proficiency in high school chemistry or CHEM 10 (with a grade of "C" or better; "C-" not accepted) or instructor consent; proficiency in high school algebra and eligibility for Math 19; eligibility for ENGL 1A	_____ _____ _____ _____
MATH 32 _____ Physics 51 _____ Am. Stu. 1A* _____ CE 20 _____	3 4 6 3	Math Remediation Completed or a post baccalaureate or graduate. Math 31 (with a grade of "C-" or better). Note: For students who pass this course with a grade of "C" or better ("C-" not accepted), course will be allowed to fulfill Area B4 Must earn C or better to fulfill Area B4 Must earn C- or better to take Math 133A PHYS 50 and MATH 31, both with grades of "C" or better. Math 19 or (eligibility for Math 30 or 30P)	_____ _____ _____ _____
MATH 133A _____ Am.Stu. 1B* _____ Geol 2 _____ CE 95 _____ Take WST _____	3 6 3 3 0	MATH 32 (with a grade of "C-" or better) or instructor consent MATH 31, PHYS 50	_____ _____ _____ _____ _____

*(GE) - General Education Requirement. All CEE students are required to check GE requirements at the Engineering Student Success Center (ENG 344)
 Note: GE requirements may be satisfied by taking courses other than those listed - check requirements at the Engineering Student Success Center

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ME 101	3	CE 95 (with a grade of "C-" or better) MATH 32 (with a grade of "C-" or better)	
ME 111	3	CE 95 (with a grade of "C-" or better) MATH 32 (with a grade of "C-" or better)	
CE 112	3	CE 95, MATH 133A	
ENGR 100W*	3	ENGL 1B (with a grade of "C" or better); completion of core GE, satisfaction of WST and upper division standing	
CE 130	2	Math 32	
CE 121	3	CE 08, CE 20, MATH 32, PHYS 50	
CE 140	3	CE 20, CE 112, ME 111, ENGR 100W	
CE 150	3	CE 20, ME 111, ENGR 100W	
CE 160	3	CE 20, CE 112, ME 101	
CE 192	2	MATH 32	
CE 120	1	CE 112	
CE 131	3	CE 130	
CE 170	3	CE 20, ME 111, CHEM 1A, ENGR 100W	
CE 190	2	MATH 133A, ENG 10	
CE Elective (see list below)	3	(see list below for pre-requisites)	
SJSU Studies (Area S)*	3		
CE 162	3	CE 160 and ENGR 100W	
CE 181	3	CE 121, CE 130, CE 131, CE 140, CE 150, CE 160, CE 170, CE 192	
CE Elective (see list below)	3	(see list below for pre-requisites)	
CE Elective (see list below)	3	(see list below for pre-requisites)	
SJSU Studies (Area V)*	3		

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CEE Electives and PRE-requisites

Circle the three you plan to take- 2 must be design electives -- indicated by (d)

Structural

CE 163 Design of Steel Structures (d) CE 160 or grad standing
CE 164 Design of Wood Structures (d) CE 160 or grad standing
CE 165 Seismic Resist Design CE 160 or grad standing

Construction

CE 132 Const Meth and Equip CE 130, CE 140 or
grad standing
CE 134 Project Mgmt. For Const. CE 131 or grad standing

Environmental

CE 172 Solid Waste Mgt. Eng. CE 170 or grad standing
CE 174 Design of Water Distribution &
Waste Water Collection (d) CE 150, CE 170

Geotechnical

CE 145 Foundation Engineering (d) CE 140 or grad standing
CE 144 Transport in Porous Media CE 140 or grad standing

Hydraulics and Hydrology

CE 152 Engineering Hydrology CE 150 or grad standing
CE 154 Hydraulic Design (d) CE 150 or grad standing

Transportation

CE 122 Traffic Engineering Math 32 or grad standing
CE 123 Street & Highway Design (d) CE 121 or grad standing