

**CIVIL ENGINEERING PLANNING SHEET**  
(Based on 2017- 2018 SJSU Catalog)

Name: \_\_\_\_\_

SJSU ID: \_\_\_\_\_

FILL IN GRADE EARNED (IF COMPLETED); (IP) IN PROGRESS	NO. UNITS	PREREQUISITES AND COREQUISITES	CHECK "X" IF PRE and COREQS SATISFIED
MATH 30 (or MATH 30P)	_____ 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	_____
Engl 1A*	_____ 3	English Placement Test	_____
Oral Comm*	_____ 3		_____
Engr 10*	_____ 3	Eligible for Math 19 or ENGL 1A. Engineering Majors only.	
CE 8	_____ 3	Math 19 or (eligibility for Math 30 or 30P)	_____
MATH 31	_____ 4	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	_____
Physics 50	_____ 4	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 1B*	_____ 3	ENGL 1A and EPT	_____
Chem 1A	_____ 5	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	_____ 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	_____
Physics 51	_____ 4	PHYS 50 and MATH 31, both with grades of "C" or better.	_____
Am. Stu. 1A*	_____ 6		_____
CE 20	_____ 3	Math 19 or (eligibility for Math 30 or 30P)	_____
MATH 133A	_____ 3	MATH 32 (with a grade of "C-" or better) or instructor consent	_____
Am.Stu. 1B*	_____ 6		_____
Geol 2	_____ 3		_____
CE 95	_____ 3	MATH 31, PHYS 50	_____
Take WST	_____ 0		_____

\*(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

FILL IN GRADE EARNED (IF COMPLETED); (IP) IN PROGRESS	NO. UNITS	PREREQUISITES AND COREQUISITES	CHECK "X" IF PRE and COREQs SATISFIED
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		_____

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

## 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