

**BS Civil Engineering Advising Form**

Student Name: \_\_\_\_\_ Local/Cell Phone Number: \_\_\_\_\_

Horizon Email: \_\_\_\_\_ Net ID: \_\_\_\_\_

Advisor: \_\_\_\_\_ Class:  Freshman  Sophomore  Junior  Senior

**COURSES YOU ARE CURRENTLY ENROLLED IN**

Dept & Course #	Course Title

For information on your courses, permission number, etc.  
visit [www.csueastbay.edu/engineering/](http://www.csueastbay.edu/engineering/)

Is your WST requirement fulfilled? Yes  No

Check your catalog on <http://catalog.csueastbay.edu/>

Catalog Year: \_\_\_\_\_

**PLANNED ENROLLMENT FOR NEXT SEMESTER**

Dept & Course #/ Section	Course Title	Units	List All Co/ Prerequisites	Co/Prereq. Met?		Permission needed?	
				Yes	No	Yes	No

Total Units: \_\_\_\_\_ Over 18 units is an overload. Are you overloaded? Yes  No

Notes: \_\_\_\_\_

*(Do not forget to mark your completed courses on page 2.)*

## 2023-2024 BS Catalog for Civil Engineering

Title	Prerequisite	✓
<b>Semester</b>	<b>Lower Division Core Courses 38 units</b>	
CHEM 110	General Chemistry for Engineering Corequisite: MATH 120, MATH 125, Or MATH 130	
ENGR 200	Introduction to Engineering and Design None	
ENGR 215	Computational Methods in Engineering MATH 131	
ENGR 220	Statics PHYS 135	
MATH 130	Calculus I Satisfactory score of 78 or higher on Mathematics Placement Exam, Math 120 or Math 125 (either course with grade C- or better)	
MATH 131	Calculus II MATH 130 with a grade of C- or higher.	
MATH 230	Calculus III MATH 131 with a grade of C- or higher.	
MATH 215	Introduction to Linear Algebra Prerequisite: Math 130. Corequisite: MATH 131.	
PHYS 135	Physics for Scientists and Engineers I Corequisite: MATH 130.	
PHYS 136	Physics for Scientists and Engineers II MATH 130 & PHYS 135	
CIVE 206	Engineering Materials and Laboratory CHEM 110 and PHYS 135	
CMGT 201	Surveying MATH 130	
<b>Upper Division Core Courses 47 units</b>		
CIVE 319	Fluid Mechanics ENGR 220	
CIVE 330	Strength of Materials ENGR 220	
CIVE 350	Geotechnical Engineering ENGR 220	
CIVE 361	Transportation Engineering CIVE 206	
CIVE 385	Structural Analysis CIVE 330	
CIVE 410	Hydraulics and Water Resources CIVE 319	
CIVE 421	Structural Engineering Design CIVE 385	
CIVE 435	Highway and Pavement Design CIVE 330 and CIVE 361	
CIVE 430	Environmental Engineering and Sustainability CIVE 206	
CIVE 440	Construction Engineering CIVE 330	
CIVE 492	Senior Design Project Prerequisites: CIVE 350. Co-requisites: CIVE 421 and CIVE 440.	
ENGR 320	Engineering Economics MATH 130	
INDE 330	Engineering Statistics and Probability MATH 130	
PHYS 308	Sustainable Energy Systems Completion of GE B4	
<b>Electives (3 units): The electives must be 300 level or above with Department approval from ENGR/CMGT/INDE/CMPE.</b>		