

**BS Industrial 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, ect.

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: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_

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

Student Signature: \_\_\_\_\_

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

## 2021-2022 Catalog for Industrial Engineering

Course Number		Title	Prerequisite	✓
<b>Semester</b>	<b>Quarter</b>	<b>Lower Division Core Courses 40 units</b>		
CHEM 110		General Chemistry for Engineering	Co-req MATH 130, MATH 125, Or MATH 130	
ENGR 200	ENGR 1011	Introduction to Engineering and Design		
ENGR 210	2060, 2070	Manufacturing Materials and Processes	CHEM 110 & MATH 130	
ENGR 215		Computational Methods in Engineering	MATH 131	
ENGR 220	INDE 3101	Statics	PHYS 135	
ENGR 230	ENGR 2010	Electric Circuits I	PHYS 136 & MATH 210	
MATH 130	1304, 1305	Calculus I	MATH 120 or MATH 125	
MATH 131	1305, 2304	Calculus II	C or better in MATH 130	
MATH 215		Introduction to Linear Algebra	MATH 130, Co-requisites: MATH 131	
PHYS 135	1001, 1002	Physics for Scientists and Engineers I	Co-req MATH 130	
PHYS 136	1002, 1003	Physics for Scientists and Engineers II	MATH 130 & PHYS 135	
PSYC 100	PSYC 1000	General Psychology		
<b>Upper Division Core Courses 41 Units</b>				
ENGR 320	INDE 3140	Engineering Economics	MATH 130	
INDE 330 OR STAT 316	INDE 3601 OR STAT 3610	Engineering Statistics & Probability/ Statistics & Probability for Science & ENGR	MATH 130/ MATH 131	
INDE 340	INDE 3602 OR STAT 3602	Design of Engineering Experiments	INDE 330 or STAT 316	
INDE 360	INDE 3841	Operations Research	MATH 131	
INDE 390	3020/ 3190	Human Factors and Work Methods	INDE 330 or STAT 100; GE A1, A2, A3, & B4	
INDE 410	INDE 4430	Facility Planning, Design & Material Handling	ENGR 210	
INDE 420	INDE 4200	Discrete Event Simulation	ENGR 215, & INDE 330 or STAT 316	
INDE 430	INDE 4280	Design of Work Systems	INDE 390	
INDE 440	INDE 4100	Sustainable Production & Supply Chain Systems	INDE 360, & INDE 330 or STAT 316	
INDE 450	INDE 4350	Systems Quality & Reliability	ENGR 210, & Either INDE 330 or STAT 316	

INDE 460	INDE 4400	Service & Manufacturing Systems Modeling	INDE 360	
INDE 492	INDE 4620	Senior Design	Completion or enrollment in any three courses from: INDE 410, INDE 420, INDE 440, INDE 450, INDE 460.	

**Elective Courses - Select 2 Classes for 6 Units**

With department approval select a minimum of 6 units of approved, upper-division 300 and above of Math/Basic Science elective courses. No General Education courses allowed