

**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: \_\_\_\_\_

## 2022-2023 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<br>OR<br>STAT 316                  | INDE 3601<br>OR<br>STAT 3610 | Engineering Statistics & Probability/ Statistics & Probability for Science & ENGR | MATH 130/ MATH 131  |   |
| INDE 340                                    | INDE 3602<br>OR<br>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