

## Advising Sheet: B.S. CpE Standard Emphasis (Fall 2024)

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

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

| Fall                                |     |       |     |  | Spring |  |       |     |                                      |
|-------------------------------------|-----|-------|-----|--|--------|--|-------|-----|--------------------------------------|
| Freshman:                           | Hrs | Grade | Sem | Prereq/Coreq                           |        | Hrs                                    | Grade | Sem | Prereq/Coreq                         |
| Writ 101                            | (3) |       |     |  |        | Writ 102                               | (3)   |     | Writ 101                             |
| Math 261                            | (3) |       |     | Math ACT 24                            |        | Math 262                               | (3)   |     | Math261 (Min C)                      |
| Chem 105                            | (3) |       |     | Math ACT 24, Chem115                   |        | Phys 211                               | (3)   |     | Math262, Phys221                     |
| Chem 115                            | (1) |       |     | Chem105                                |        | Phys 221                               | (1)   |     | Phys211                              |
| CSCI 256 Prog in Python.            | (3) |       |     | Math 121 or higher                     |        | El E 235 Principles of Digital Systems | (3)   |     |                                      |
| El E 100                            | (1) |       |     |  |        | El E 236 Dig Sy Lab                    | (1)   |     | El E 235 Coreq./Prereq.              |
| SS Elective                         | (3) |       |     |  |        | Humanities Elect.                      | (3)   |     |                                      |
| <b>Sophomore:</b>                   |     |       |     |  |        |  |       |     |                                      |
| Math 263                            | (3) |       |     | Math262 (Min C)                        |        | Math 264                               | (3)   |     | Math263 (Min C)                      |
| Phys 212                            | (3) |       |     | Math262, Phys222, Phys211              |        | Math 353 Diff. Eq.                     | (3)   |     | Math263 (Min C)                      |
| Phys 222                            | (1) |       |     | Phys212                                |        | ENGR 310 Analys I                      | (3)   |     | Math 262                             |
| ENGR 360 Elec Circ                  | (3) |       |     | Math262, Phys 212                      |        | ENGR 361 Circ Lab                      | (1)   |     | ENGR 360                             |
| El E 385 Adv Dig Sys                | (3) |       |     | El E 235 (Min C-)                      |        | Hu/FA/Lang                             | (3)   |     |                                      |
| El E 386 Adv Dig Lab                | (1) |       |     | El E 385                               |        | CSCI 356 Data Struc. In Python         | (3)   |     | CSCI 256(Min C-) or CSCI 112(Min C-) |
| El E 237 EIE Tools                  | (1) |       |     | El E 235                               |        |  |       |     |                                      |
| Fine Arts                           | (3) |       |     |  |        |  |       |     |                                      |
| <b>Junior:</b>                      |     |       |     |  |        |  |       |     |                                      |
| El E 351# Electron. I               | (3) |       |     | ENGR360 (Min C-), Math 353             |        | Cp E 431# Comp. Architecture           | (3)   |     | El E 385                             |
| El E 485# Microp                    | (2) |       |     | El E 385, El E 486                     |        | EL E 352# Electro II                   | (3)   |     | El E 351, El E 353                   |
| El E 486# Microp Lab                | (1) |       |     | El E 485                               |        | El E 353# Electr Lab                   | (1)   |     | ENGR 361, El E 352                   |
| EL E 331* Signals Sys               | (3) |       |     | ENGR360 (Min C-), Math 353             |        | ECE 361# Design & Design Tools         | (1)   |     | El E 351, ENGR 361                   |
|                                     |     |       |     |  |        | El E 322# Ele.Cir. II                  | (1)   |     | ENGR 360, Math 353                   |
| CSCI 423 Intro to Operating Systems | (3) |       |     | El E 385 (Min C-) or CSCI 356 (Min C-) |        | Tech. Elect. I                         | (3)   |     |                                      |
| Math 301 Discrete Math              | (3) |       |     | Math 261                               |        | CSCI 433* Alg. Data Structures         | (3)   |     | Math 301, CSCI 356 (Min C-)          |
| <b>Senior:</b>                      |     |       |     |  |        |  |       |     |                                      |
| Cp E 461# Senior Design I           | (1) |       |     | El E 353, El E 386, ECE 361, El E 486  |        | Cp E 462# Senior Design II             | (3)   |     | Cp E 461                             |
| El E 425* Local Area Network        | (3) |       |     |  |        | Tech. Elective II                      | (3)   |     |                                      |
| Tech. Elective II                   | (3) |       |     |  |        | Tech. Elective II                      | (3)   |     |                                      |
| Tech. Elective III                  | (3) |       |     |  |        | Econ 310                               | (3)   |     |                                      |
| Tech. Elective III                  | (3) |       |     |  |        | SS/Hu/FA/Lang.                         | (3)   |     |                                      |

**Must have at least 3 hrs of Social Science, Engineering Economy, and 9 hrs of Humanities and Fine Arts courses with at least 3 hrs in each; additional 3 hrs of Social Science or- Humanities or- Fine Arts or - language or - other approved course (General Studies) is required. Only 3 hrs. of a language course can be counted as Hu.**

| Social/Behavioral Science | Humanities | Fine Arts |
|---------------------------|------------|-----------|
|                           |            |           |
|                           |            |           |

Technical Elective I: Choose one course from El E 391, 431, 586; Technical Elective II: Choose 3 courses from Cp E 421, 432, El E 482, 536; Technical Elective III: 6 hrs. total, choose from El E 340, 341, 447, 453, 533, 534, 535 or other courses from Technical Electives I, II not already completed or a maximum of 3 hrs. of CSCI at 300 level or above

# means a course is only taught in a designated Fall/Spring semester.

**TOTAL = 126 HOURS**