

Undated 11/5/2021 FRESHMAN SOPHOMORE JUNIOR SENIOR Fall Choose One: Introduction to Operating Systems roiect-Based Obiect Computer Electric Circuit Electric Circuit Digital Flectronics & CPE 453 (4) Fundamentals of Oriented gnals and Systems Data Structures Enaineerina Analysis & Lab II Analysis & Lab III Integrated Circuits Computer Science Programming & CPE 327 (3) & Orientation Design EE 211 (3) EE 212 (3) CPE 367 (1) EE 307 (3) CPE 202 (4) CPE 100 (1) **CPE 101 (4)** CPE 203 (4) Introduction to Computer Network EE 241 (1) EE 242 (1) EE 347 (1) CPE 464 (4) EE 228 (4) 141 or 221 w/min C-133; EE 306; EE CPE 233†) edded Applications Computer Design CPE 357 (4) Approved CPE 316 (4)9 and Assembly Introduction to **Electric Circuit** Digital Design Capstone II Technical Elective (CPE 357; Coreq: EE 211) Computing Analysis and Lab Language Programming CPE 123 (4)1 EE 113 & CPE 133 (4)3 CPE 450 (3)5  $(4)^{4,6}$ CPE 233 (4) EE 1437 (4) CSC 248 (4) (CPE 100; 101) Computer Hardware \*\*\* (CPE 133) (CPE 350) Canstone I (w/ min C- in CPE 202 & 203; or Instr. consent Architecture & Design CPE 350 (4)5 **Choose One Series** CPE 333 (4)8 emiconductor Device General Chemistry General Physics IA General Physics III General Physics II Modern Physics I Electronics & Lab CPE 316† or 329† or 336 for Physical Science (CPE 101, 233) CPE 461 (3) CPE 462 (2) EE 306 (3)\* & Engineering I PHYS 141 (4)2 PHYS 133 (4) PHYS 132 (4) PHYS 211 (4) CHEM 124 (4)2 EE 346 (1)\* Approved Elective [MATH 141 w/min C-MATH 142 or 182†] (PHYS 132 & 133; MATH HYS 131, HNRS 131, (CSC, EE, Math or Science) Probability and PHYS 131, HNRS 131, o PHYS 141) CSC 497 (2) CSC 498 (2) EM 124; EE 212 & 242 143 or IME 156 or IME 458; PHYS 211) PHYS 141; MATH 142. Recom: MATH 241) 241. Recom: MATH 242 o 244) Random Processes  $(3-4)^4$ [B1 & B3] [Area B Flective] for Engineers Choose One: STAT 350 (4)2 Philosophical Approved Technical Approved Calculus I Calculus II Calculus III Calculus IV Linear Analysis I Technical Elective Elective PHIL 323 (4), PHIL 327 (4), PHIL 328 (4), PHIL 230 (4) MATH 142 (4)<sup>2</sup> MATH 143 (4)<sup>2</sup> PHIL 231 (4)  $(4)^{4,6}$  $(4)^{4,6}$ MATH 141 (4)2 MATH 241 (4) MATH 244 (4) PHIL 339 (4), (GE Area A; Recom: PHIL 126) GE (4) \*\*\* \*\*\* or PHIL 340 (4) Expository Writing ENGL 133 or 134 (4)\*\* GE (4) **GE (4)** GE (4) GE (4) **GE (4)** Can be taken anytime during Oral Communication COMS 101 or 102 (4)\*\* [A1] Can be taken anytime during Writing Requirement GWR\* GE (4) COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGS 145 (4)\*\* complete the requirement before senior year) Can be taken anytime between Winter of Freshman and Winter of Sophomore Year 15-16 17 16 16 16 16 16 16 17-18 14

## Notes:

## MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

- \* Refer to current catalog for prerequisites
- \*\* One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, Lower-Division C Elective, D1, Area D Elective, E, F. Upper-Division C should be taken only after Junior standing is reached (90 units).

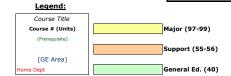
Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, Upper-Division D, or E.

\*\*\* Refer to current catalog for course selection and restrictions.

Course subject is also Home Department designation, unless noted in red.

- † Course can be taken previously or concurrently.
- <sup>1</sup> An additional 4 units of approved technical electives may be substituted, although new students are strongly encouraged to take CSC 123/CPE 123.
- Required in Major/Support; also satisfies GE.
- $^{\rm 3}\,\text{CPE}$  133 and EE 112 are often offered as 100% online courses during the summer.
- <sup>4</sup> Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals. No double-counting with other degree requirements.
- <sup>5</sup> ENGR 459, 460, 461, & CPE 400, or ENGR 463, 464, 465, & CPE 400 may substitute for CPE 350 and CPE 450
- <sup>6</sup> The following courses may not be used to satisfy this requirement: COOP units; BUS 499; CSC 302, CSC 303, CSC 310, CSC 400, CSC 500; EE 321, EE 322, EE 361, EE 400, EE 460, EE 563; PHIL 323, 327, 328, 339, 340.
- <sup>7</sup> Take EE 113 (3) and EE 143 (1); or EE 112 (2) and IME 156 (2); or EE 112 and IME 458.
- 8 Take CPE 333 (4) or CPE 315 (4).
- $^{9}$  Take CPE 316 (4); or CPE/EE 329 (4); or EE 336 (4)



TOTAL:

191-195