

Updated 5/11/2022

FRESHMAN SOPHOMORE JUNIOR SENIOR Winter Winter Choose One: Digital Electronics Semiconductor Analog Flectronics 8 Introduction to Fneray Conversion Choose One Series1 Fundamentals of Electric Circuit Electric Circuit Analysis lectronic Design Flectrical Device Flectronics & Integrated Integrated Circuits Flectromagnetics & Computer Science EE 113 (3) & Analysis & Lab II & Lab III Lab Circuits & Lab ingineering & Lab & Lab & Lab EE 461 (2) EE 462 (2) EE 143 (1) EE 111 (1) & CSC/CPE 101 (4) EE 211 (3) & EE 212 (3) & EE 255 (3) & EE 306 (3) & EE 307 (3) & EE 308 (3) & EE 409 (3) & (EE 461) EE 112 (2) & EE 241 (1) EE 346 (1) EE 449 (1) EE 151 (1) EE 242 (1) EE 295 (1) EE 347 (1) EE 348 (1) IME 156 (2) 112 or FE 113: FE 15 (CPE/EE 133: EE 306 F 212 & 242: or FF 201 2: FE 143 or IME 1 (MATH 244; EE 211; 241) EE 302 & 342: 307 & 34 EE 463 (2) EE 464 (2) TH 244† or PHYS 143* 251: or EE 215 & 245) 346: CPE/EE 233†) Choose one: General Curriculum Computer Design & Discrete Time Continuous-Time Classical Control Microcontroller-Senior Project Calculus I Calculus II Calculus III Digital Design Assembly Language Signals & Systems Technical Technical Signals & Systems Systems & Lab Based Systems Preparation Elective Elective Programming & Lab EE/CPE 329 (4)* MATH 141 (4) MATH 142 (4) MATH 143 (4) CPE/EE 133 (4) CPE/EE 233 (4) EE 228 (4) EE 328 (3) & EE 302 (3) & EE 460 (2)1 $(4)^{2}$ $(3)^{2}$ EE 342 (1) EE 368 (1) MATH 141 w/min C= c MATH 142 w/min C= c (BMED 355; or EE 212 8 242: Recom: MATH 241) Microprocessor (EE 314; 335; EE 409† & 449†) 111 & 151; CPE/CSC 1 (CPE/EE 133) (EE 215 or 228; Recon *** *** (BMED 355 or EE 228) System Design EE 368: CPE 327 & 367 [Area B Flective EE 336 (4)* Take concurrently: Choose EE or Choose EE or Options³ Options³ General Chemistry Electromagnetic tromag. Fields & Electromag. Fields & Approved Approved for Physical General Physics I General Physics III General Physics II BIO 213 (2) Trans & Lah Waves Trans & Lah Waves Science & Engineering Engineering EE 335 (4) & EE 335 (4) & Engineering I Electives Electives EE 375 (1)3 EE 402 (4) EE 375 (1)3 EE 402 (4) Bioengineering CHEM 124 (4) PHYS 141 (4) PHYS 143 (4) PHYS 142 (4) $(3)^{2}$ $(3)^{2}$ BMED 213 (2) (MATH 141 w/min C-MATH 142† or 182†) (PHYS 141; MATH 142 Recom: MATH 241) PHYS 141; MATH 142 o 182) *** *** GE (4) GE (4) GE (4) GE (4) [B1 & B3 [Area B Flective] Probability and Introduction to Linear Analysis I Calculus IV Modern Physics I Technical andom Processe Communication Elective for Engineers Systems MATH 244 (4) MATH 241 (4) PHYS 211 (4) STAT 350 (4) $(4)^{2}$ EE 314 (3) (PHYS 142; 143; MATH 41. Recom: MATH 242 o (EE 228 or CPE 327. oreq: STAT 350; EE 30 (MATH 143) (MATH 143) *** GE (4) GE (4) 244) [Upper-Division B] Oral Communication COMS 101 or 102 (4)** [A1] Can be taken anytime during Fresh GE (4) GE (4) GE (4) GE (4) Approved Expository Writing ENGL 133 or 134 (4)** [A2] Engineering Can be taken anytime during Freshn Electives **Graduation Writing Require** $(3)^{2}$ COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)** (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year) *** Can be taken anytime between Winter of Freshman and Winter of Sophomore Year 14 16-17 16 16-17 17 17 16 15 192 TOTAL: Notes: Legend: MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET Major (96) * Refer to current catalog for prerequisites. Course # (Units) (Prerequisite) Support (52) ** One course from each of the following GE areas must be completed: A1, A2, A3, C1, C2, Lower-Division C Elective, Upper-Division C, D1, Area D Elective, Lower-Division E, and F. Upper-Division C should be taken only after Junior standing is reached (90 units). General Ed. (44) *** Refer to current catalog for course selection. Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR). [GE Area]

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. MAJOR COURSES SHOULD BE TAKEN IN QUARTERS DESIGNATED ON THIS FE FLOWCHART

† Course can be taken previously or concurrently.

¹ Either the ENGR 459, ENGR 460, and ENGR 461 (6) series or the ENGR 463, ENGR 464, and ENGR 465 (6) series may substitute for the EE 460, EE 461, and EE 462 (6) series or the EE 460, EE 463, and EE 464 (6) series.

²See catalog for course options. Consultation with advisor is recommended prior to selecting Technical Electives or Approved Electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals. No course credits may be used simultaneously to satisfy both Approved Engineering Elective and Technical Elective requirements

³ EE 335/375 and EE 402 may be taken spring/fall of soph/junior or junior/senior years.

⁴ Transfer students take EE 112 (2) & IME 156(2) or EE 112 (2) & EE 143 (1) & one additional unit of Free Elective.

UNLESS A CONCENTRATION IS DECLARED, THE DEFAULT WILL BE GENERAL CURRICULUM IN ELECTRICAL ENGINEERING.