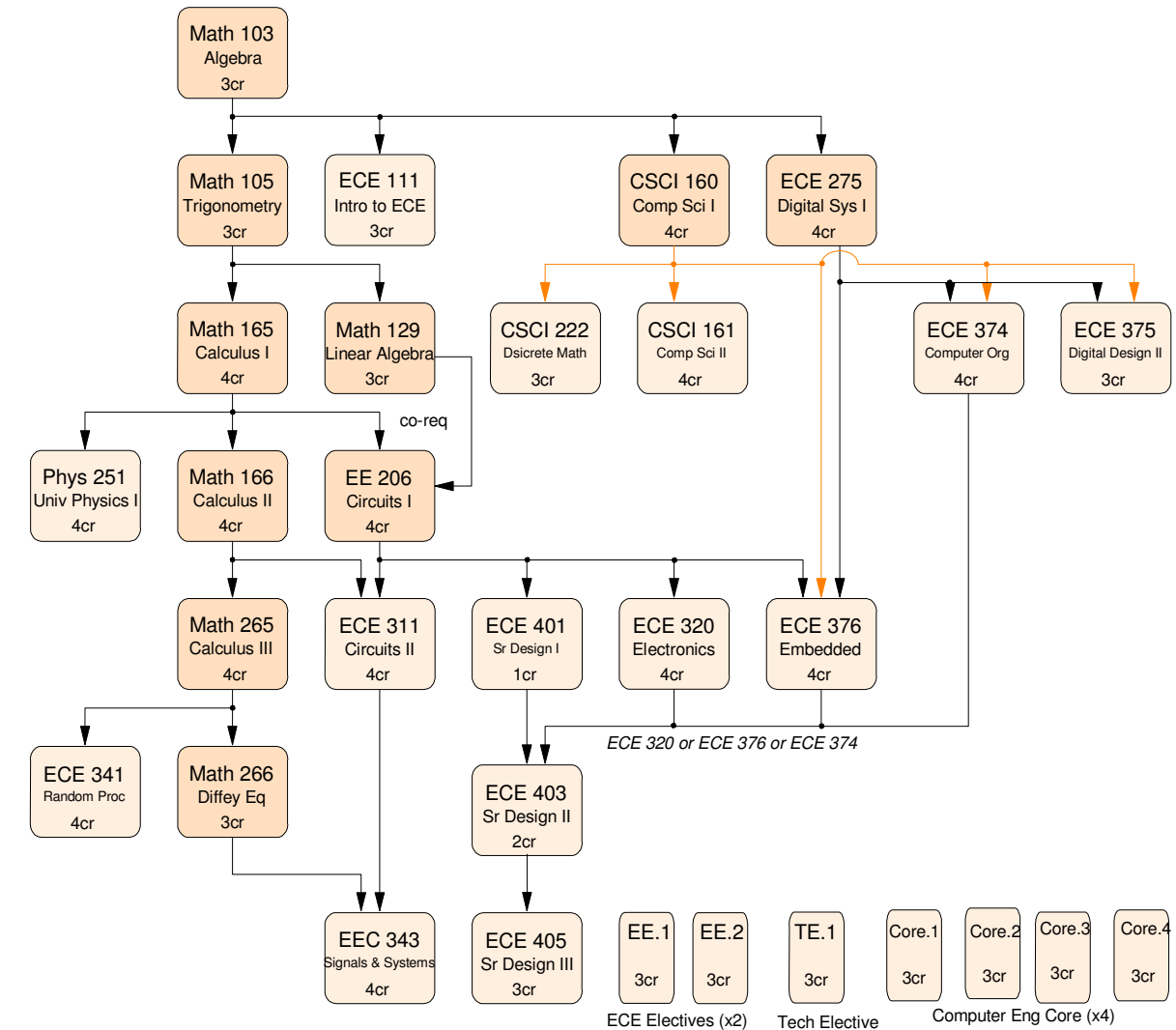


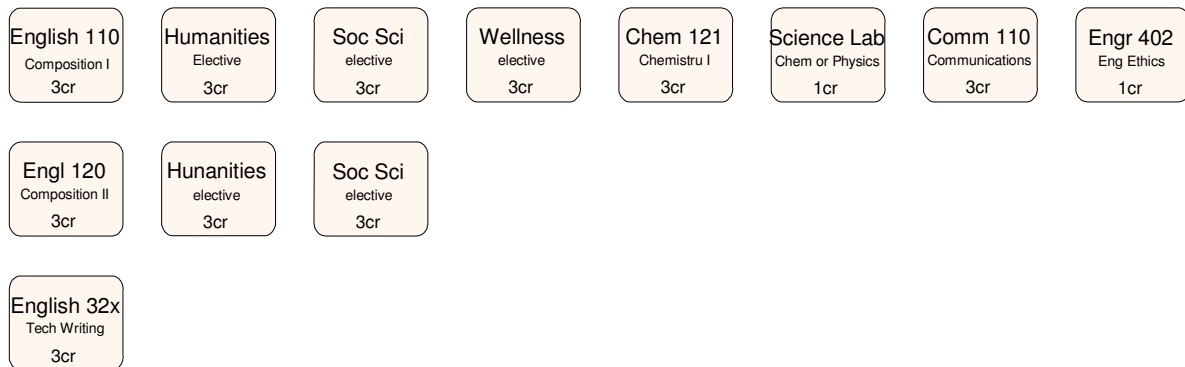
Computer Engineering

Proposed Fall 2024 Course Requirements

rev February 1, 2024



University Requirements



ECE Electives (pick Two)

- Any ECE 4xx course, excluding ECE 494 and 496

Computer Engineering Core (Pick Four)

- CSCI 474 Operating Systems (prereq: CSCI 374)
- CSCI 467 Algorithm Analysis (prereq: CSCI 161 & 222, Math 166 & 270)
- ECE 423 VLSI Design (prereq: ECE 311 & 320)
- ECE 425 Semiconductors (prereq: ECE 320)
- ECE 474 Computer Architecture (prereq: ECE 374)
- ECE 477 Machine Learning (prereq: ECE 374 & 375)

Technical Electives (pick One)

CSCI 336 Theoretical Comp Sci II	ECE 496 Field Experience
CSCI 366 Files for D-Base Systems	ENGR 310 Entrepreneurship
CSCI 372 Comparative Languages	PHYS 252 Univ Physics II
CSCI 4xx Any CSCI Didactic Course	IME 440 Engineering Economy
ECE 351 Electromagnetics	IME 456 Project Management
ECE 4xx Any ECE Didactic Course	IME 460 Evaluation of Engineering Data
ECE 494 Independent Study	IME 470 Operations Research I

Math Minor

- Math 165 / 166 / 265 / 266
- Plus 6 more credits (Math 270 / 3xx / 4xx) excluding Math 327 and 376
- C or higher required in all math courses

Computer Science Minor

- CSCI 160 / 161 / 213
- Plus 7 credits CSCI courses (at least 3cr must be 3xx or higher)

Physics Minor

- Physics 251 / 252 / 252L / 350
- Plus 6 credits Physics 3xx / 4xx

Note on Humanities and Social Science Elective

- Must include at least one global perspective
- Must include at least one cultural diversity