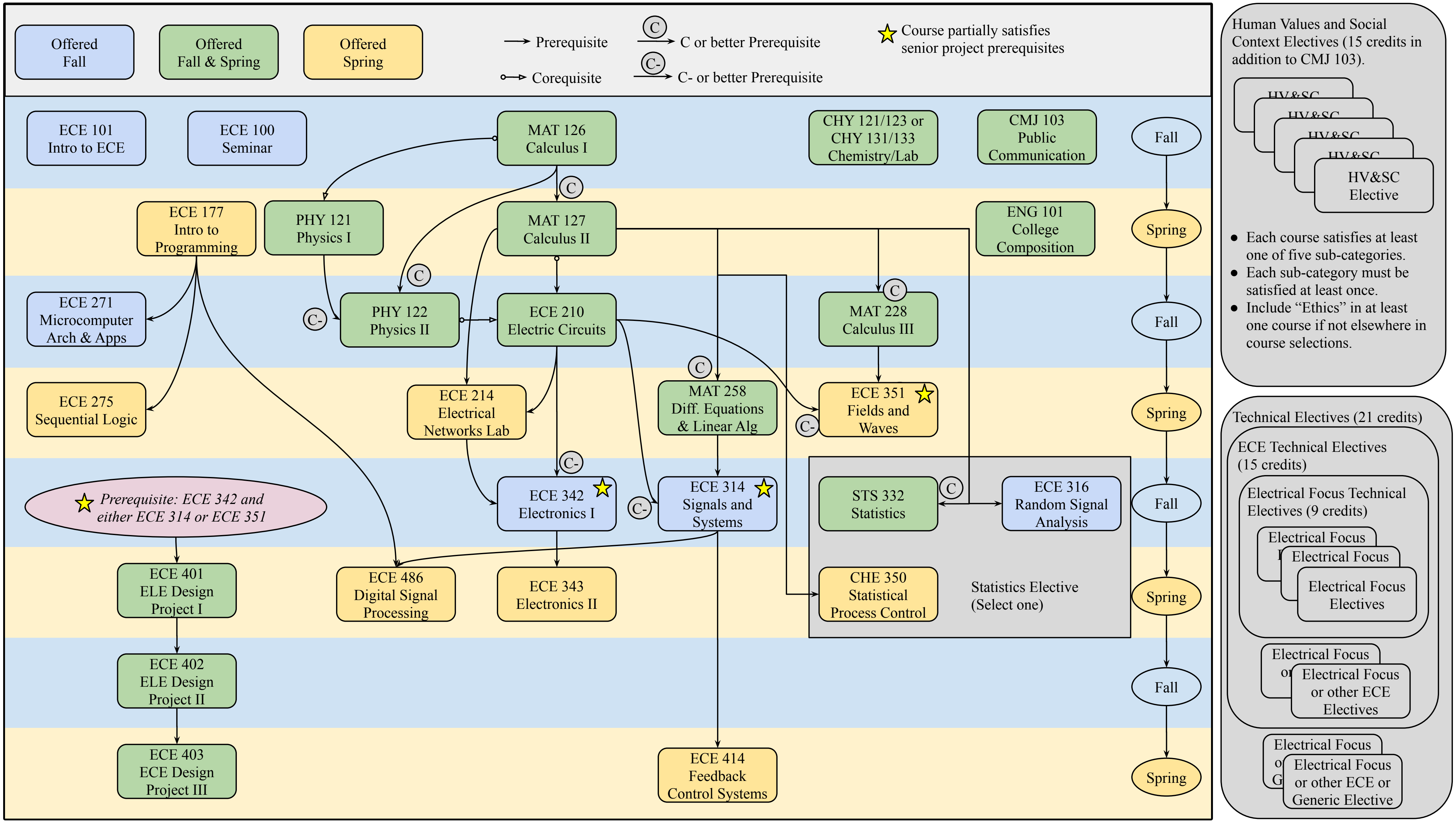
8/292023

Electrical Engineering Curriculum Flowchart


Offered Fall
Offered Fall & Spring
Offered Spring
Prerequisite
Corequisite
C
C or better Prerequisite
C-
C- or better Prerequisite
Course partially satisfies senior project prerequisites
ECE 101 Intro to ECE
ECE 100 Seminar
MAT 126 Calculus I
CHY 121/123 or CHY 131/133 Chemistry/Lab
CMJ 103 Public Communication
Fall
ECE 177 Intro to Programming
PHY 121 Physics I
MAT 127 Calculus II
ENG 101 College Composition
Spring
ECE 271 Microcomputer Arch & Apps
PHY 122 Physics II
ECE 210 Electric Circuits
MAT 228 Calculus III
Fall
ECE 275 Sequential Logic
ECE 214 Electrical Networks Lab
MAT 258 Diff. Equations & Linear Alg
ECE 351 Fields and Waves
Spring
Prerequisite: ECE 342 and either ECE 314 or ECE 351
ECE 342 Electronics I
ECE 314 Signals and Systems
STS 332 Statistics
ECE 316 Random Signal Analysis
Fall
ECE 401 ELE Design Project I
ECE 486 Digital Signal Processing
ECE 343 Electronics II
CHE 350 Statistical Process Control
Statistics Elective (Select one)
Spring
ECE 402 ELE Design Project II
Fall
ECE 403 ECE Design Project III
ECE 414 Feedback Control Systems
Spring
Human Values and Social Context Electives (15 credits in addition to CMJ 103).
HV&SC
HV&SC
HV&SC
HV&SC
HV&SC Elective
Technical Electives (21 credits)
ECE Technical Electives (15 credits)
Electrical Focus Technical Electives (9 credits)
Electrical Focus
Electrical Focus
Electrical Focus Electives
Electrical Focus
Electrical Focus or other ECE Electives
Electrical Focus
Electrical Focus or other ECE or Generic Elective

- Each course satisfies at least one of five sub-categories.
- Each sub-category must be satisfied at least once.
- Include “Ethics” in at least one course if not elsewhere in course selections.