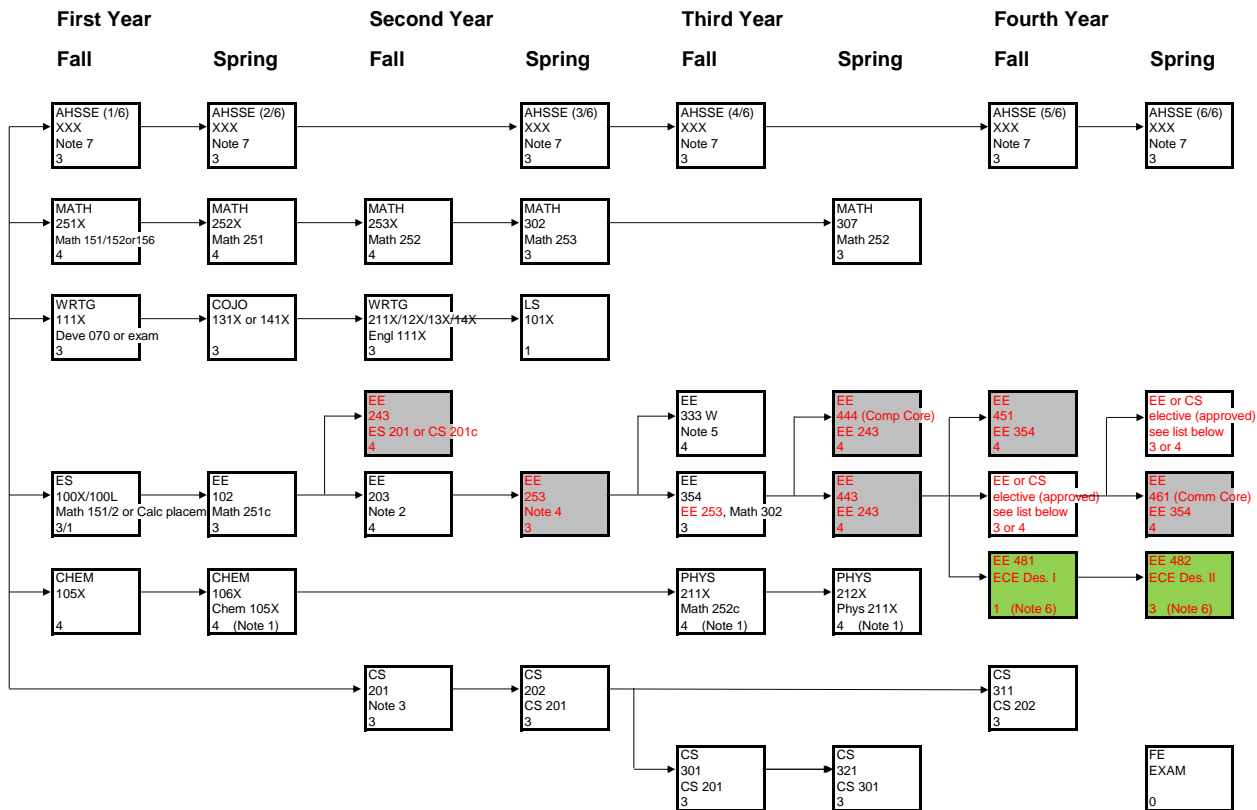


FLOWCHART

Computer Engineering Requirements (Curriculum Redesign: 127-129)



Legend

Department
Course Number
Prerequisites (a "c" indicates a co-requisite)
Credit Hours

- Yellow shading means see notes with yellow shading.
- Green shading means new course.
- Gray shading means added or revised course.

Notes

- It is possible to take Chem 105, Phys 211X, 212X, 213X for the Natural Sciences requirement
- EE 203 prereq: EE 102, Math 251; Co-req: Math 252c
- CS 201 pre/co-requisites: CS 103 or H.S. programming, Math 251c
- EE 253 prereq: EE 203; ES 201 or CS 201; MATH 252X
- EE 333 pre/co-requisites: EE 253, WRTG 211X/12X/13X/14X
- EE Senior Capstone Design I and II prerequisites include: EE 354, EE 444, COJO 131X/141X, WRTG 111X, WRTG 211X/12X/13X/14X
- AHSSE = Arts, Humanities, Social Sciences and Ethics courses (6 courses)
 - 1 Arts, 1 Humanities, 2 Soc Sciences, 1 Art or Hum or SS, 1 Ethics
 - One of the AHSSE courses needs to be an Alaska Native 3 credit course if using Catalog Year 2019-2020 or newer

Take all electives in Senior Year - in any semester

Approved EE and CS Electives

EE 303	Electric Pow Sys & Mach	4
EE 311	Engr Electromagnetics	3
EE 334	Electronic Circuit Design	4
EE 471	Fund Automatic Controls	3
CS 331	Programming Languages	3
CS 361	Sys Security and Adm	3
CS 411	Analysis of Algorithms	3
CS 421	Dist Operating Systems	3

Graduate level EE and CS courses may be used as electives upon approval.

Math Sequence

- 251 Calculus I
- 252 Calculus II
- 253 Calculus III
- 302 Differential Equations
- 307 Discrete Mathematics

Updated: 09.02.22, nww

CS Sequence

CS 201 is offered both semesters

Alaska Native Themed Courses (also satisfy 1 AHSSE requirement)

Arts	ANS/FLPA F161X
	ANS F202X
	ANS/ACNS/MUS F233X
Humanities	ANL F141X
	ANL F142X
	ANL F251X
	ANL F265X
Social Science	ANS F111X
	ANS F242X
	ECON F111X*

* Recommend ECON F111X if it fits in schedule.