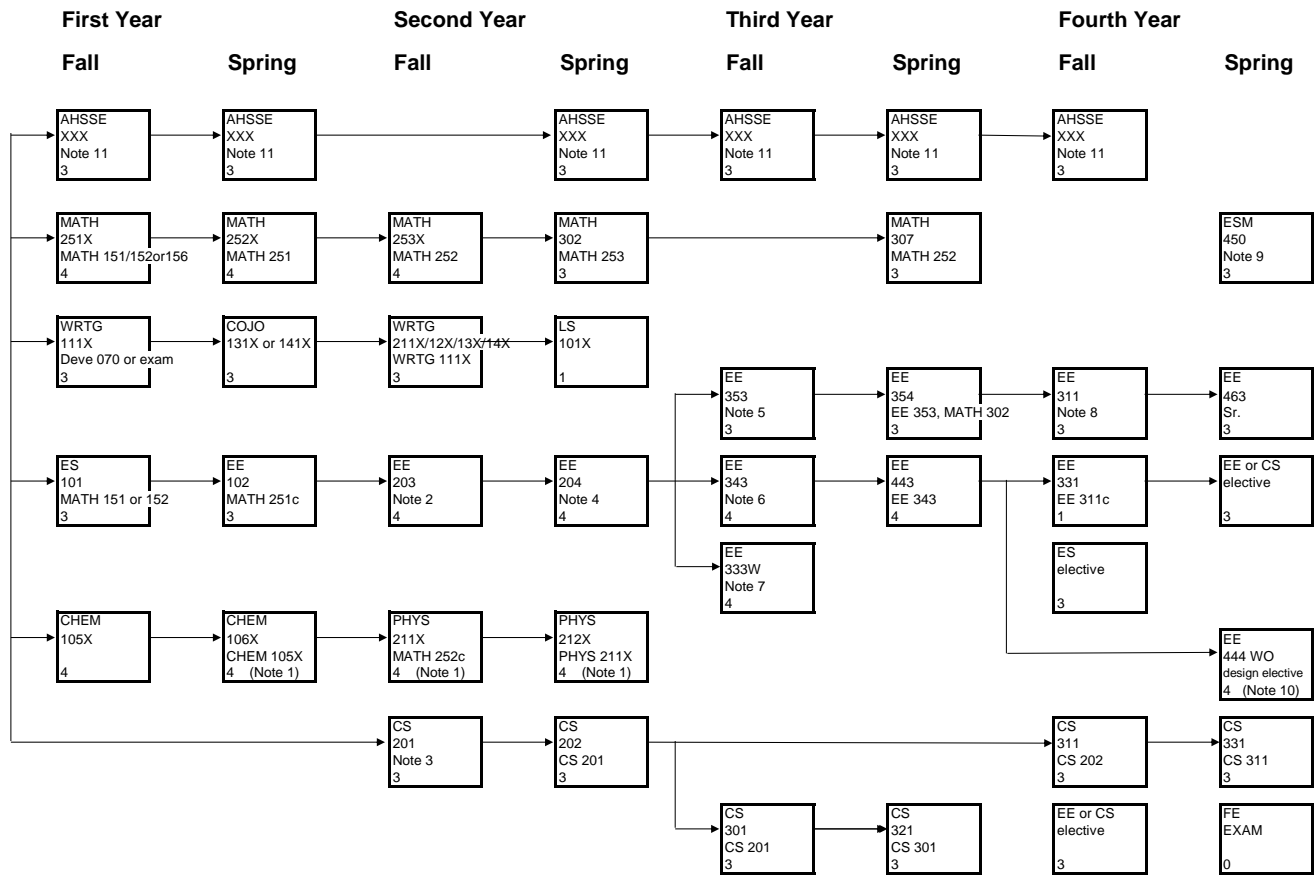


FLOWCHART

Computer Engineering Requirements



Legend

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

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

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 204 pre/co-requisites: EE 203, MATH 252, MATH 253c
- EE 353 prereq: EE 204, MATH 253, ES 201 or CS 201; Co-req: MATH 302
- EE 343 pre/co-requisites: ES 201 or CS 201, EE 204, EE 333c
- EE 333 prerequisites: EE 204, WRTG 211X/12X/13X/14X
- EE 311 prerequisites: PHYS 212, MATH 302, EE 204
- ESM 450 prerequisites: WRTG 111X, WRTG 211X/12X/13X/14X, ES 201 or CS 201, Sr. standing
- EE 444 prerequisites: COJO 131X/141X, WRTG 111X, WRTG 211X/12X/13X/14X, EE 443
- 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

Math Sequence

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

CS Sequence

201	is offered both semesters
202 and 311	are offered in the Fall

Take all electives in Senior Year - in any semester

<u>Electives - choose 2</u>	<u>ES Elective - choose 1</u>
EE 334	ES 208
EE 434	ME 334
EE 451	ES 346
EE 461	ES 331 has ES prerequisites
EE 464	ES 341 has ES prerequisites
EE 471	
CS 361	
CS 411	
CS 421	

Or EE 6XX and CS 3xx and 4xx courses approved by dept. advisor

Alaska Native Themed Courses (also satisfy 1 AHSSE requirement)

	ANS/FLPA F161X
Arts	ANS F202X
	ANS/ACNS/MUS F233X
	ANL F141X
Humanities	ANLF142X
	ANL F251X
	ANL F255X
Social Science	ANS F111X
	ANS F242X
	ECON F111X*

* Recommend ECON F111X if it fits in schedule.