Electrical Engineering					Name:				
University of Hawaii at Manoa					ID #:				
		CUR			CHECK SHEET				
				•	2024				
							credits of mathematics and basic		
							by the student's advisor,		
are included.	ır, and dean.	The University Ger	nerai E	duca	tion Core and gra	duati	on requirements for Engineering		
are included.						-\ 0	ND 4 DE 0		
	A	LL COURSES MUS			,	(-F) G	SKADES		
			LOW	ER D	IVISION				
FRESHMAN					SOPHOMORE				
Eng 100 (FW)	3	Math 242	4		ECE 211	4	ECE 213 4		
Math 241 (FQ)	4	Phys 170 (DP)	4		ECE 260	4	Math 244 3		
Chem 161 (DP)	3	Phys 170L (DY)	1		Math 243	3	Phys 274 3		
Chem 161L (DY)		Chem 162 (DP)	3		Phys 272 (DP)	3	ECE 296 1		
ECE 160 or ECE	110 4/3	FG	3		Phys 272L (DY)	1	COMG 251 (DA) 3		
							FG 3		
		П		r					
H Focus (1)		E Focus (1)			O Focus (1)		W Focus (5)		
			UPP	ER D	IVISION		0511105		
JUNIOR				N : 505		SENIOR			
ECE 315	3	ECE 323	3		Major ECE	3	ECE 496 3		
ECE 324	3	ECE 323L	1		(Lab) ECE	1	ECE 495 1		
ECE 371 ECE 345 or Math	3 307 4/3	ECE 342 TE ECE	3		Major ECE TE ECE	3	Major ECE 3 Major ECE 3		
EB	3	Major ECE	3		(Lab) TE ECE	1	Econ 120, 130 or 131 (DS) 3		
CD	3	(Lab) ECE	<u>3</u> 1		DH or DL	3	DS 3		
		ECE 396	2		DH OI DL	3	5		
		LOL 330							
Major Track (Major)							NOTES		
A minimum of 17 credits in one of the major tacks, which includes all track					Refer to General Education Core Requirements in UHM Catalog for				
core courses in Group I and the remaining track elective courses from Group					Diversification (DH, DL, DS) Courses and Foundation (FG) Courses.				
II.					2. Math 251A/252A/253A may substitute for Math 241-244				
Electro-Physics (EP) Track					3. Chem 181/181L or Chem 171/171L may substitute for Chem 161/161L and 162				
Focus Group I (11 cr) Group II (6 cr)			4. Writing Intensive (W/WI) required - 5 co			uired - 5 courses (minimum of 2 in upper division).			
Circuits ECE 326/326L		ECE 422/422L, 423,	ECE 422/422L, 423, 425, 427		5. One course each required for Hawaiian, Asian & Pacific Issues (H/HAP), Oral				
Devices ECE 327		ECE 328/328L, 426	ECE 328/328L, 426		Communication (O/OC) and Contemporary Ethical Issues (E/ETH).				
Electromagnetics ECE 372/372L		ECE 470, 471, 473, 4	ECE 470, 471, 473, 474, 475, 477		6. H/HAP (Hawaiian, Asian Pacific Issues) Focus not included in engineering				
Energy		ECE 435, 438	ECE 435, 438		courses. Students may look for an H/HAP focus that double counts with the				
Biomedical		ECE 480	ECE 480		DH/DL or DS requirement or take one standalone.				
					7. Enrollment in ECE courses requires a grade of 'C' or better in all prerequisite				
Systems & Data Sciences (SDS) Track					courses.				
Focus Group I (12 cr)		Group II (6 cr)	Group II (6 cr)			8. Engineering Breadth (EB) is satisfied by a CEE, ME, OE or BE course at			
Communications ECE 343/343L		ECE 344, 442, 446, 4	ECE 344, 442, 446, 449			the 300-level or higher, CEE 270; or a physical, biological, or computer			
Controls	ECE 351/351L	ECE 452, 453			science course at the	300-le	vel or higher and approved by the Department's		
Signal Processing	ECE 415	ECE 416, 417, 445			Undergraduate Curri	culum C	Committee.		
Energy		ECE 435			9. Technical Electives (TE): E	CE course 300 or above - 7 additional credits from		
					the track lists, of which	ch 3 mu	st be outside the major track and 1 must be a		

Biomedical Concentration

All Group I courses in either the EP or Systems Track, plus two biomedical-related Group II courses and an EB course approved by the Department's Undergraduate Curriculum Committee and listed on the ECE website. ECE 496 will be a biomedical project approved by the concentration coordinator.

Energy Concentration

All Group I courses in either the EP or Systems Track, plus two energy-related Group II courses and an EB course approved by the Department's Undergratuate Curriculum Committee and listed on the ECE website. ECE 496 will be an energy project approved by the concentration coordinator

- 9. Technical Electives (TE): ECE course 300 or above 7 additional credits from the track lists, of which 3 must be outside the major track and 1 must be a laboratory. The following courses may also be used as TEs: ECE 205, 361/361L, 362, 366, 367/367L, 368, 369, 406, 461, 467, 468, 469. ECE 491 can also be used as a TE, but the track designation is determined on a case-by-case basis.
- 10. ENGR 196/296/396 may substitute for ECE 196/296/396.
- 11. A student along with a faculty member may propose an alternate track, which must be (1) equivalent in rigor & breadth to the above tracks; (2) endorsed by another faculty member; & (3) approved by the Department's Undergraduate Curriculum Committee.

APPROVAL FOR GRADUATION: Initial:

Date: