Electrical Engineering University of Hawaii at Manoa

Name:

ID #:

CURRICULUM CHECK SHEET August 2025

The program of courses listed below satisfies the ABET accreditation criteria of 30 credits of mathematics and basic sciences, and 45 credits of engineering topics. Any deviations must be approved by the student's advisor, department chair, and dean. The University General Education Core and graduation requirements for Engineering are included.

ALL COURSES MUST BE TAKEN FOR LETTER (A-F) GRADES

FRESHMAN				SOPHOMORE				
3 Math 2	42 4		ECE 211	4	ECE 213	4		
4 Phys 1	70 (DP) 4		ECE 260	4	Math 244	3		
3 Phys 1	70L (DY) 1		Math 243	3	Phys 274	3		
1 Chem	162 (DP) 3		Phys 272 (DP)	3	ECE 296	1		
4/3 FG	3		Phys 272L (DY)	1	COMG 251 (DA)	3		
					FG	3		
E Focu	ıs (1)		O Focus (1)		W Focus (5)			
	UPF	PER D	IVISION					
JUNIOR			SENIOR					
3 ECE 3	23 3		Major ECE	3	ECE 496	3		
3 ECE 3	23L 1		(Lab) ECE	1	ECE 495	1		
3 ECE 34	42 3		Major ECE	3	Major ECE	3		
4/3 TE EC	E 3		TE ECE	3	Major ECE	3		
3 Major I	ECE 3		(Lab) TE ECE	1	Econ 120, 130 or 131 (DS)	3		
(Lab) E	ECE 1		DH or DL	3	DS	3		
ECE 3	96 2							
core courses in Group I and the remaining track elective courses from Group II. Electro-Physics (EP) Track Focus Group I (11 cr) Group II (6 cr)			 Diversification (DH, DL, DS) Courses and Foundation (FG) Courses. Math 251A/252A/253A may substitute for Math 241-244 Chem 181/181L or Chem 171/171L may substitute for Chem 161/161L and 162 Writing Intensive (W/WI) required - 5 courses (minimum of 2 in upper division). 					
	ECE 422/422L, 423, 425, 427		 One course each required for Hawaiian, Asian & Pacific Issues (H/HAP), Oral 					
	ECE 328/328L, 426		Communication (O/OC) and Contemporary Ethical Issues (E/ETH).					
c		5, 477						
			courses. Students may look for an H/HAP focus that double counts with the					
omedical 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)			8. Engineering Breadth (EB) is satisfied by a CEE, ME, OE or BE course at					
Communications ECE 343/343L ECE 344, 442, 446, 449			the 300-level or higher, CEE 270; or a physical, biological, or computer					
351/351L ECE 452, 453			science course at the 300-level or higher and approved by the Department's					
15 ECE 416	6, 417, 445	Undergraduate Curriculum Committee.						
ECE 435	5		9. Technical Electives	(TE): ECE	E course 300 or above - 7 additional	credits	from	
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				 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. 				
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				r Systems Track, plus two energy-related pproved by the Department's Undergratuate he ECE website. ECE 496 will be an energy in coordinator	 r Systems Track, plus two energy-related pproved by the Department's Undergratuate he ECE website. ECE 496 will be an energy in coordinator 11. A student along with a faculty which must be (1) equivalent is endorsed by another faculty nudergraduate Curriculum Control of the contr	 11. A student along with a faculty member may propose an alternate to which must be (1) equivalent in rigor & breadth to the above tracks endorsed by another faculty member; & (3) approved by the Department's Undergraduate Curriculum Committee. 	 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. 	