Electrical Engineering
University of Hawaii at Manoa

Name: _____
ID #: _____

CURRICULUM CHECK SHEET

August 2015

The program of courses listed below satisfies the ABET accreditation criteria of 32 credits of mathematics and basic sciences, and 48 credits of engineering sciences and engineering design. 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

LOWER DIVISION

FRESHMAN						SOPHOMORE					
Eng 100 (FW)	3		EE 110 or EE 160	3/4		EE 211	4		EE 213	4	
Math 241 (FS)	4		Math 242	4		EE 260	4		Math 244	3	
Chem 161 (DP)	3		Phys 170 (DP)	4		Math 243	3		Phys 274	3	
Chem 161L (DY)	1		Phys 170L (DY)	1		Phys 272 (DP)	3		EE 296	1	
FG	3		Chem 162 (DP)	3		Phys 272L (DY)	1		COMG 251 (DA)	3	
									FG	3	
H Focus (1)			E Focus (1)			O Focus (1)			W Focus (5)		

UPPER DIVISION

EE 315	3		EE 323	3		Major EE	3		EE 496	3	
EE 324	3		EE 323L	1		(Lab) EE	1		EE 495	1	
EE 371	3		EE 342	3		Major EE	3		Major EE	3	
Math 307	3		TE	3		TE	3		Major EE	3	
EB	3		Major EE	3		(Lab) TE	1		Econ 120, 130 or 131 (DS)	3	
			(Lab) EE	1		DH or DL	3		DS	3	
			EE 396	2							

Major Track (Major)

A minimum of 17 credits in one of the major tacks, which includes all track core courses in Group I and the remaining track elective courses from Group II.

Electro-Physics Track

Focus	Group I (11 cr)	Group II (6 cr)
Circuits	EE 326/326L	EE 422/422L, 423, 425, 427
Devices	EE 327	EE 328/328L, 426
Electromagnetics	EE 372/372L	EE 470, 471, 473, 474, 475, 477
Energy		EE 435, 438
Biomedical		EE 480

Systems Track

Focus	Group I (11 cr)	Group II (6 cr)
Communications	EE 343/343L	EE 344, 442, 446, 449
Controls	EE 351/351L	EE 417, 452, 453
Signal Processing	EE 415	EE 416
Energy		EE 435

Technical Electrives (TE) TE - EE course 300 or above

7 additional credits from the track lists above, of which 3 must be outside the major track and 1 must be a laboratory. The following Computer Engineering courses may also be used as TEs: EE 205, 361/361L, 366, 367/367L, 406, 461, 467, 468, 469. EE 491 can also be used as a TE, but the track designation is determined on a case-by-case basis.

ALTERNATIVE TRACK

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 Dept.'s Undergraduate Curriculum Committee.

NOTES

1. Please refer to General Education Core Requirements in UH Manoa Catalog for Diversification (DH, DL, DS) and FG Foundation Courses.
2. Math 251/252/253 may be substituted for Math 241-244 above.
3. Chem 181/181L or Chem 171/171L may be substituted for Chem 161/161L and Chem 162 above.
4. Writing Intensive (W) required - 5 courses (minimum of 2 in upper division).
5. One course each required for Hawaiian, Asian & Pacific Issues (H), Oral Communication (O) and Contemporary Ethical Issues (E).
6. Enrollment in EE courses requires a grade of 'C' or better in all prerequisite courses.
7. Engineering Breadth (EB) is satisfied by CEE 270, ME 311, or a CEE, ME, OE or BE course at the 300-level or higher; or a physical, biological, or computer science course at the 300-level or higher and approved by the Department's Undergraduate Curriculum Committee.

APPROVAL FOR GRAUDATION: Initial: Date: