									
Civil and Environmenta							me:		
University of Hawaii at Manoa					OUEOU OUEET	١	ID#:		
		CUR			CHECK SHEET st 2009				
The program of course	s listed	l below satisfies the AB	ET a	ccred	itation criteria of 32 cred	dits of	mathematics and basi	c scien	ices.
					y deviations must be ap				
					Core & graduation requ				ded.
					g upper division CEE co				
CEE courses must be t		•			•				
		ALL COURSES MUST	ГВЕ	TAKE	EN FOR LETTER (A-F)	GRAD	DES		
			LOV	VER:	DIVISION			• • •	
- 400 (FIAN		SHMAN		,	lione one		HOMORE		
Eng 100 (FW)	3	Math 242	4		ČEE 270	3	CEE 271	3	
Math 241 (FS)	4	Phys 170 (DP)	4	ļ	Math 243	3	Math 244	3	
Chem 161 (DP)	3	Phys 170L (DY)	1		Phys 272 (DP)	3	CEE 370	3	
Chem 161L (DY)	1	Chem 162 (DP)	3	ļ	Phys 272L (DY)	1	CEE 370L	1	
FG	3	EE 160 or ICS 111	4	ļ	FG	3	BSE (DB)	3	
		_			DH or DL	3	Sp 251 (DA)	3	
H Focus (1)		E Focus (1)			O Focus (1)		W Focus (5)		
			UPI	PERI	DIVISION				
	JU	INIOR					ENIOR		
CEE 305	3	CEE 330	4		CEE 431	3	CEE 421	3	
CEE 320	4	CEE 355	4		CEE 461, 462 or 464	3	CEE 455	3	
CEE 361	3	CEE 375	3		CEE 471 or 472	3	CEE 490	3	
Econ 120, 130 or 131 (DS)	3	CEE 381	3		CEE 485 or 486	3/4	TES	3	
ME403, GG312, Math 302 or 307	3	DS	3		CEE 489B	2	TE	3	
					CEE 489C	1			
ALTERNAT	IVE SE	ENIOR YEAR TRACK				N (OTES		
1		CTURES*							
CEE 471 or 472	3	CEE 421	3		 Please refer to Gen 	eral E	ducation Core Require	ements	in
CEE 482	3	CEE 455	3		UH Manoa Catalog	for Div	versification (DH, DL,	DS) an	d
CEE 485	4	CEE 486	3		FG Foundation Coเ	ırses.			
SME	3	CEE 490	3						
CEE 489B 2 TES 3			2. Math 251/252/253 may be substituted for						
CEE 489C 1			Math 241-244 above.						
* Students who want to	pursu	e the structures track sl	nould	ask					
the department office to assign them an advisor from the				0 Ohama 404/4041 maa	b.a. a	whatituted for Cham 1	C1 i1 C1		
structures area.				 Chem 181/181L ma and Chem 162 above 		substituted for Chem i	01/101	١ ١	
				and Ottern 102 above.					
ELECTIVES				4. Writing Intensive (W) required - 5 courses (minimum of 2					
BSE: Biological Science Elective				in upper division).					
Micr 130; Biol 101, 123, or 171; Zool 101									
The associated laboratories are not required.				5. One course each required for Hawaiian, Asian & Pacific					
Students interested in the environmental area are					, , , ,	mmun	ication (O), and Conte	mpora	ry
encouraged to tak		130 for the BSE.			Ethical Issues (E).				
TE: Technical Elective								<u> </u>	
Any 400 or 600 level CEE course.					6. 'C' or better require	d for p	assing Phys 170 and	CEE 2	/U.
May include a maximum of one course from									
EE 211; GG 454; ME 311; 374; ORE 411									
TES: Technical Elective with focus on Sustainability									ł
•		urses maintained by de	partn	nent.					
SME: Structural Math E			1						
ME 360, Phys 305, Math 311 (if Math 307 not taken)					ED EOR ORABIJATION	المناصل ول	al: Date	· -	
		<u> </u>	IALL	ĸυν	ED FOR GRADUATION	4. HHQ	ai. Date	··	

Electrical Engineering							ame:			
University of Hawaii at Manoa ID #:										
CURRICULUM CHECK SHEET August 2009										
l ,				_						
							2 credits of mathematics a		asic	
•	_	_			-	_	 Any deviations must be 			
		•				-	eneral Education Core ar	ıd		
graduation requireme	ents for E	ngineering are include	ded.	A tot	tal of 124 credits a	re r	equired			
	AL	L COURSES MUST I	BE TA	KEN	FOR LETTER (A-I	F) G	BRADES			
			.OWE	R DI	IVISION					
	FRESH	HMAN					SOPHOMORE			
Eng 100 (FW)	3	EE 160	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	Sp 251 (DA)	3		
					,		Econ 120, 130 or 131 (DS)	3		
H Focus (1)		E Focus (1)		i	O Focus (1)		W Focus (5)			
		ι	JPPE	R DI	VISION					
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 342	3	TE	3		Major EE	3	Major EE	3		
EE 371	3	Major EE	3		TE	3	Major EE	3		
Math 307	3	(Lab) EE	1		(Lab) TE	1	FG FG	3		
Watti Goi		EE 396	2		DH or DL	3	DS	3		
		EB	3							
EE Electives - One tra	ck (major) from below, plus two	م TFe				NOTES			
					1 Please refer to G	`one	eral Education Core Require	mento	s in	
(one of which must be from a second track) with one lab.							for Diversification (DH, DL, I			
ELECTRO-PHYSICS TRACK plus 6 credits from:					FG Foundation C	_		io, ai	Iu	
							ses. nay be substituted for Math 2	3/1_2/	4.4	
EE 326, 326L EE 422, 422L, 423, 425, 427) II	lay be substituted for Matti	.41-24	**	
EE 327 EE 328, 328L, 426					above.	 .	. he substituted for Cham 1	24/46	41	
EE 372, 372L EE 473, 474, 475, 477					3. Chem 181/181L may be substituted for Chem 161/161L and Chem 162 above.					
CVCTEMS TRACK when S are dite from:					4. Writing Intensive (W) required - 5 courses (minimum of 2					
SYSTEMS TRACK plus 6 credits from:					in upper division).					
EE 341, 341L					1 ''					
EE 351, 351L EE 452, 453					5. One course each required for Hawaiian, Asian &					
EE 415 EE 416, 417					Pacific Issues (H), Oral Communication (O) and					
COMPUTED TO A OV. of the Computer Computer					Contemporary Ethical Issues (E).					
COMPUTER TRACK plus 6 credits from:					6. Enrollment in EE courses requires a grade of 'C-' or better					
EE 361, 361L EE 344, 406, 461, 449					in all prerequisite courses.					
EE 366 EE 467, 468, 469					7. Engineering Breadth (EB) is satisfied by CEE 270, ME 311, or a CEE, ME, OE or BE course at the 300-level					
EE 367, 367L					-					
							cal or biological science cou			
ALTERNATIVE TRACK					the 300-level or higher and approved by the Department's					
A student along with a	• • •	Undergraduate C	Curri	iculum Committee.						
alternate track, which	•									
breadth to the above t		•		lty						
member; & (3) approv	-	Dept.'s Undergradua	ite							
Curriculum Committee	} .									

APPROVAL FOR GRADUATION: Initial:

Date:

TE - EE course 300 or above

Mechanical Engineering	Na	me:
University of Hawaii at Manoa	II	D #:
	OURDIOUS LIM OUEOU OUEET	

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The program of courses listed below satisfies the ABET accreditation criteria of 32 credits of mathematics and basic sciences, 32 credits of engineering sciences, and 16 credits of 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. ME (or equivalent CEE) courses may be taken no more than three times. A total of 124 credits are required.

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

		L	.OW	ER C	DIVISION		
	FRES	SHMAN					SOPHOMORE
Eng 100 (FW)	3	Math 242	4		CEE 270	3	CEE 271 or ME 271 3
Math 241 (FS)	4	Phys 170 (DP)	4		Math 243	3	Math 244 3
Chem 161 (DP)	3	Phys 170L (DY)	1		Phys 272 (DP)	3	Econ 120, 130 or 131 (DS) 3
Chem 161L (DY)	1	Chem 162 (DP)	3		Phys 272L (DY)	1	Math 302 or 307 3
Math 190	1	Sp 251 (DA)	3		EE 211	4	DS 3
FG	3				ME 213	3	
H Focus (1)		E Focus (1)			O Focus (1)		W Focus (5)
		l	JPPI	ER C	DIVISION		
ME 311	4	ME 312	3		ME 422	3	
ME 331	3	ME 322	3		ME 480	3	ME 482 3
ME360	3	ME 341	3		ME 481	3	TE 3
ME 371 or CEE 370	3	ME 342	2		TE	3	DH or DL 3
ME 375	3	ME 372	3		TE	3	FG 3
		ME 374	3				
					<u> </u>		+
<u> </u>					1		

ELECTIVES

TE: Technical Electives (9 credits).

Three courses that can be selected from ME 400-level technical electives (3), one of which can be replaced with a non-ME course (3) (with approval from Dept. Chair) or Phys 274 or Biol 171 without approval; and a second that can be replaced with an ME 600-level course (3) (3.00 GPA minimum and approval from Dept. Chair) or ME 499 (3).

NOTES

- 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 may be substituted for Chem 161/161L and 162 above.
- Writing Intensive (W) required 5 courses (minimum of 2 in upper division). ME 342, ME 402, ME 480 and ME 481 satisfy the W-focus requirement.
- One course each required for Hawaiian, Asian & Pacific Issues (H), Oral Communication (O) and Contemporary Ethical Issues (E). Some of these may be met with ME 480 (E), and ME 482 (O).
- A grade of 'C' or better is required in ME 311 prior to registration in ME 312 and ME 322.
- 7. Phys 305 or Math 407 may be substitued for ME 360.

Date:

APPROVAL FOR GRADIJATION: Initial:				
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