

CURRICULUM CHECK SHEET

August 2016

The program of courses listed below satisfies the ABET accreditation criteria of 32 credits of mathematics and basic sciences, 48 credits of engineering sciences, and 24 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.

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

LOWER DIVISION											
FRESHMAN						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	
FG	3		EE 160	4		EE 211	4		COMG 251 (DA)	3	
						ME 213	3		FG	3	
H Focus (1)			E Focus (1)			O Focus (1)			W Focus (5)		

UPPER DIVISION											
ME 311	4		ME 322	4		ME 422	4		ME 482	3	
ME 331	3		ME 341	3		ME 481	3		TE	3	
ME 360	3		ME 342	2		Phys 274	3		DH or DL	3	
ME 371 or CEE 370	3		ME 372	3		TE	3		DS	3	
ME 374	3		ME 375	4		TE	3				

ELECTIVES						NOTES					
TE: Technical Electives (9 credits)						1. Please refer to General Education Core Requirements in UH Manoa Catalog for Diversification (DH, DL, DS) and FG Foundation Courses.					
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 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) (with approval from Dept Chair).						2. Math 251A/252A/253A may be substituted for Math 241-244 above.					
For those who take one of the accelerated Math or Chem pathways, the minimum graduation requirement will be 123 credits and for those who take both Accelerated Math & Chem pathways, the minimum graduation requirement will be 121 credits. For those who take both Accelerated Math & Chem pathways and take EE 110 instead of EE 160, the minimum graduation requirement will be 120 credits.						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). ME 213, ME 342, ME 375, ME 422 and ME 481 satisfy the W-focus requirement.					
						5. 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 422 (E), and ME 482 (O).					
						6. A grade of 'C' or better is required in ME 311 prior to registration in ME 322.					
						7. Phys 305 or Math 407 may be substituted for ME 360.					
						8. EE 110 or ICS 111 may be substituted for EE 160.					