

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

LOWER DIVISION											
FRESHMAN						SOPHOMORE					
Eng 100 (FW)	3		Math 242	4		Math 243	3		Math 244	3	
Math 241 (FQ)	4		Phys 170 (DP)	4		Phys 272 (DP)	3		Math 302	3	
Chem 161 (DP)	3		Phys 170L (DY)	1		Phys 272L (DY)	1		Math 307 or Math 311	3	
Chem 161L (DY)	1		Chem 162 (DP)	3		ECE 211	4		CEE 271 or ME 271	3	
FG	3		ECE 160 or ICS 111	4		CEE 270	3		EPET 201/ME 201	3	
						FG	3				

H Focus (1)		E Focus (1)		O Focus (1)		W Focus (5)	
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UPPER DIVISION											
JUNIOR						SENIOR					
ME 311	4		ME 322	4		ME 424	3		TE	3	
ME 331	3		ME 360, Math 407 or Phys 305	3		ME 451	3		TE	3	
ME 371 or CEE 370	3		ME 419	4		EPET 401/ME 401	4		DH or DL	3	
ME 375	4		EPET 400/ME 400	4		TE	3		DS	3	
EPET 301/ME 301	4		COMG 251 (DA)	3		Econ 120, 130 or 131(DS)	3				

TE: Technical Electives (9 credits) from the following options

Aerospace Technical Electives :  
 DATA 235, ME 404, ME 406, ME 408

Mechanical Engineering Technical Electives:  
 ME 341, ME 372, ME 422, Phys 274

Other courses offered by one of the following colleges may be petitioned for approval from Department Chair.  
 College of Engineering (CoE),  
 School of Ocean and Earth Sciences and Technology (SOEST),  
 College of Natural Sciences (CNS),  
 or Shidler College of Business

**NOTES**

1. Please refer to General Education Core Requirements in UH Manoa Catalog for Diversification (DH, DL, DS) Courses and Foundation (FG) Courses.
2. Math 251A/252A/253A 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/WI) Focus required - 5 courses with minimum of 2 in upper division.
5. One course each required for Hawaiian, Asian & Pacific Issues (H/HAP) Focus, Oral Communication (O/OC) Focus and Contemporary Ethical Issues (E/ETH) Focus. Some of these may be met with ME 481 (E) and ME 482 (O).
6. H/HAP (Hawaiian, Asian Pacific Issues) Focus not included. in engineering courses. Students may look for an H/HAP focus that double counts with the DH/DL or DS requirement or take one standalone.