

CURRICULUM CHECK SHEET
August 2024

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 & graduation requirements for Engineering are included. All lower division CEE courses must be completed before taking upper division CEE courses, except CEE 305, 370, and 370L.

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 (FQ)	4		Phys 170 (DP)	4		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		Phys 272L (DY)	1		CEE 370L	1
ECE160, 110 or ICS 111	4/3		COMG 251 (DA)	3		CEE 250	3		CEE 220	3
			FG	3		FG	3		BSE(DB)	3

H Focus (1)		E Focus (1)		O Focus (1)		W Focus (5)	
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UPPER DIVISION										
JUNIOR				SENIOR						
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	4/3		TES	3
Math 302 or EARTH312	3		DS	3		CEE 489	3		TE	3
DH or DL	3									

ALTERNATIVE SENIOR YEAR TRACKS										
STRUCTURES*				SUSTAINABILITY AND INNOVATION*						
CEE 471 or 472	3		CEE 421	3		CEE 431	3		CEE 440 or TES	3
CEE 484	3		CEE 455	3		CEE 462 or 464	3		TES	3
CEE 485	4		CEE 486	3		CEE 421 or 424	3		CEE 441	3
SME	3		CEE 490	3		CEE 449 or 499	3		CEE 499 or TE	3
CEE 489	3		TES	3		CEE 489	3		CEE 490	3

* Students who want to pursue a specialty track should ask the department office to assign them an advisor from the specialty

- ELECTIVES**
- BSE: Biological Science Elective**
BE 120; Micr 130; Biol 171; Zool 101
The associated laboratories are not required.
Students interested in the environmental area are encouraged to take Micr 130 or BE 120 for the BSE.
- TE: Technical Elective**
Any 400 or 600 level CEE course.
May include a maximum of one course from
ECE 211; ME 311; ME 374; ORE 411; EARTH 454;
ERTH 461; ME 331; PLAN 473
- TES: Technical Elective with focus on Sustainability**
BE 410; CEE 440; CEE 441; EARTH 407; GEO 412;
GEO 410; ME 453; NREM/SUST 442; OCN 435;
PLAN 414; SUST 402
- SME: Structural Math Elective**
ME 360; Phys 305; Math 307; Math 311

- NOTES**
- Please refer to General Education Core Requirements in UH Manoa Catalog for Diversification (DH, DL, DS) Courses and Foundation (FG) Courses.
 - Math 251A/252A/253A may be substituted for Math241-244 above.
 - Chem 171/171L or Chem 181/181L may be substituted for Chem 161/161L and Chem 162 above.
 - C or better required for passing Phys 170, CEE 270 and CEE 370.
 - Writing Intensive (W/WI) Focus required - 5 courses with minimum of 2 in upper division.
 - One course each required for Hawaiian, Asian & Pacific Issues (H/HAP) Focus, Oral Communication (O/OC) Focus and Contemporary Ethical Issues (E/ETH) Focus.
 - 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.