

**CURRICULUM CHECK SHEET**  
August 2026

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		ECE 211	4		ECE 213	4	
Math 241 (FQ)	4		Phys 170 (DP)	4		ECE 260	4		ECE 205	4	
Chem 161 (DP)	3		Phys 170L (DY)	1		Math 243	3		Math 244	3	
Chem 161L (DY)	1		Chem 162 (DP)	3		Phys 272 (DP)	3		Phys 274	3	
ECE 160	4		FG	3		Phys 272L (DY)	1		FG	3	
						ECE 296	1				

H Focus (1)	E Focus (1)	O Focus (1)	W Focus (5)
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UPPER DIVISION											
JUNIOR						SENIOR					
ECE 324	3		ECE 315	3		ECE 342	3		ECE 496	3	
ECE 371	3		ECE 323	3		ECE 467 or ICS 314	3		ECE 495	1	
ECE 361	3		ECE 323L	1		ECE 468	3		TE	3	
ECE 361L	1		ECE 367	3		DH or DL	3		TE	3	
ECE 362	3		ECE 367L	1		COMG 251 (DA)	3		Econ 120,130 or 131 (DS)	3	
ECE 345 or Math 307	4/3		ECE 396	2					DS	3	
			TE	3							

Technical Electives (TE) - A minimum of 9 credit hours is required. TE may be ECE courses 300 or above, or ICS courses listed below.

ICS 313, 321, 351, 355, 414, 415, 421, 423, 424  
ICS 425, 428, 431, 432, 441, 442, 451, 455, 461  
ICS 464, 465, 466, 469, 481

NOTES

1. Refer to General Education Core Requirements in UH Manoa Catalog for Diversification (DH, DL, DS) and Foundation (FG) Courses
2. Math 251A/252A/253A may substitute for Math 241-244.
3. Chem 181/181L or Chem 171/171L may substitute for Chem 161/161L and Chem 162.
4. ICS 141/241 may substitute for ECE 362.
5. ICS 311 may substitute for ECE 367/367L.
6. Writing Intensive (W/WI) required - 5 courses (minimum of 2 in upper division).
7. One course each required for Hawaiian, Asian & Pacific Issues (H/HAP), Oral Communication (O/OC) and, Contemporary Ethical Issues (E/ETH).
8. 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.
9. Enrollment in ECE courses requires a grade of 'C' or better in all prerequisites
10. One TE may be substituted with an Engineering Breath (EB) course, which is satisfied by a CEE, ME, OE or BE course at the 300-level or higher, CEE 270, or a physical, biological, or computer science course at the 300-level or higher & approved by the Department's Undergraduate Curriculum Committee.
11. ENGR 196/296/396 may substitute for ECE 196/296/396.

APPROVAL FOR GRADUATION: Initial: \_\_\_\_\_ Date: \_\_\_\_\_