

MECHANICAL ENGINEERING

Recommended Program Sequence

Bachelor of Science Degree

(66 Units in Engineering, 123 Total Units)

Student: _____	ID# _____	Adviser: _____	
Telephone: _____	Catalog Year: _____	Graduation Date: _____	
Email: _____			

ADVISING SHEET

MAJOR CODE: 054402

2023-2024

1st (Fall) SEMESTER				Units	Grade	Sem	Trnsfr	2nd (Spring) SEMESTER				Units	Grade	Sem	Trnsfr
ENGR 1	Intro to ME	1	_____	_____	_____			ME 2	Cmpt App in ME	1	_____	_____	_____		
ME 26	Engr Graphics	3	_____	_____	_____			CHEM 1A	Gen Chemistry	3	_____	_____	_____		
ECE71/CSCI40	(Intro Prog)	3/4	_____	_____	_____			CHEM 1AL	Gen Chemistry Lab	2	_____	_____	_____		
GE Area A2	ENGL 10	3	_____	_____	_____			Math 76	Math Analysis II	4	_____	_____	_____		
MATH 75*	Math Analysis 1	4	_____	_____	_____			PHYS 4A	Mech+Wave Motion	3	_____	_____	_____		
GE Area B2 ²	Life Sciences	3	_____	_____	_____			PHYS 4AL	Mech+Wave Lab	1	_____	_____	_____		
		17/18						GE Area D1	HIST 11 or 12	3	_____	_____	_____		
										17					
3rd (Fall) SEMESTER								4th (Spring) SEMESTER							
ME 31	Engr Materials	3	_____	_____	_____			ME 95	Manuf Processes	2	_____	_____	_____		
ME 32	Engr Materials Lab	1	_____	_____	_____			CE 20	Engr Mech: Statics	3	_____	_____	_____		
MATH 77	Math Analysis III	4	_____	_____	_____			ECE 90	Prin Elec Cir	3	_____	_____	_____		
PHYS 4B	Elec+Mag+Heat	3	_____	_____	_____			ECE 90L	Prin Elec Cir Lab	1	_____	_____	_____		
GE Area A1	Oral Communication	3	_____	_____	_____			Math 81 ⁴	Applied Analysis	3	_____	_____	_____		
GE Area C2	PHIL 20	3	_____	_____	_____			PHYS 4C	Light+Mod Phys	3	_____	_____	_____		
		17						PLSI 2	Amer Govt	3	_____	_____	_____		
										17					
5th (Fall) SEMESTER								6th (Spring) SEMESTER							
ME 112	Engr Mech: Dyn	3	_____	_____	_____			ME 116	Fluid Mechanics	3	_____	_____	_____		
ME 115	Instru & Meas Lab	1	_____	_____	_____			ME 118**	Fluid Mech Lab	1	_____	_____	_____		
ME 136	Thermodynamics	3	_____	_____	_____			ME 156	Adv Thermo	3	_____	_____	_____		
ME 125	Engr Stat & Expt	3	_____	_____	_____			ME 134 ¹	Kinematics of Mach	3	_____	_____	_____		
CE 121	Mech of Mtls	3	_____	_____	_____			ME 140	Adv Engr Analysis	3	_____	_____	_____		
		13								13					
7th (Fall) SEMESTER								8th (Spring) SEMESTER							
Technical Area Course³		3	_____	_____	_____			Technical Area Course³		3	_____	_____	_____		
ME 135**	Intro Desgn-Sr Cap I	3	_____	_____	_____			ME 155	Sr Cap Design II	3	_____	_____	_____		
ME 145	Heat+Mass Trans	3	_____	_____	_____			ME 166	Energy Sys Design	3	_____	_____	_____		
ME 154	Dsgn of Mach Elem	3	_____	_____	_____			ME 159	Mech Eng Lab	1	_____	_____	_____		
GE Area D2 ²	Social Sciences	3	_____	_____	_____			GE Area F	Ethnic Studies	3	_____	_____	_____		
		15								15					

¹Also counts as major GPA

²See Catalog for GE Courses

³Take a minimum of 6 units in Group A (ME 122, 137, 142, 144, 146, 162 or 164 (to be offered in alternate years)). A maximum of 3 units from Group B (ME 180, 190, 191T) may be substituted for a course in Group A with faculty advisor's approval.

⁴ENGR 101 may be taken as an alternative for Math 81 with faculty advisor's approval

*Math 75 is a pre/co-requisite for all engineering courses except ME 1.

**NOTE: Department approved writing course or equivalent must be taken in the junior year, prior to taking ME118 and ME135, if the student fails the writing exam requirement.

Must have a minimum grade of "C" or better on all math, science, and engineering courses.