Recommended Program Sequence

MECHANICAL ENGINEERING

Bachelor of Science Degree (66 Units in Engineering, 127 Total Units)

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

ADVISING SHEET MAJOR CODE: 054402 2024-2025

1st (Fall) SEMESTER		Units	Grade	Sem	Trnsfr
ENGR 1	Intro to ME	1			
ME 26	Engr Graphics	3			
ECE71/CSCI40	(Intro Prog)	4			
GE Area A[2]	ENGL 10	3			
MATH 75*	Math Analysis 1	4			
GE Area B[2]	Life Sciences	3			
		18			

2nd (Spring) SEMESTER		Units	Grade	Sem	Trnsfr
ME 2	Cmpt App in ME	1			
CHEM 1A	Gen Chemistry	3			
CHEM 1AL	Gen Chemstry Lab	2			
Math 76	Math Analysis II	4			
PHYS 4A	Mech+Wave Motion	3			
PHYS 4AL	Mech+Wave Lab	1			
GE Area D[1]	HIST 11 or 12	3			
		17			

3rd (Fall) SEMESTER					
ME 31	Engr Materials	3			
ME 32	Engr Materials Lab	1			
MATH 77	Math Analysis III	4			
GE Area A[U]	Elec+Mag+Heat	3			
	Oral Communication	3			
GE Area C[2]					
	PHIL 20	3			
ME 112	Engr Mech: Dyn	3			
ME 115	Instru & Meas Lab	1			
ME 136	Thermodynamics	3			
ME 125	Engr Stat & Expt	3			
CE 121	Mech of Mtls	3			
Upper-division writing		3			
		16			

4th (Spring) SEMESTER					
ME 95	Manuf Processes	2			
CE 20	Engr Mech: Statics	3			
ECE 91	Prin Elec Cir	3			
	Prin Elec Cir Lab	1			
Math 81/ENGR101	Applied Analysis	3			
PHYS 4C	Light+Mod Phys	3			
		18			
ME 116	Fluid Mechanics	3			
ME 118**	Fluid Mech Lab	1			
ME 156	Adv Thermo	3			
ME 134[1]	Kinematics of Mach	3			
ME 140	Adv Engr Analysis	3			
		13			

7th (Fall) SEMESTER					
Technical Area Course[3]		**3**			
ME 135**	Intro Desgn-Sr Cap I	3			
ME 145	Heat+Mass Trans	3			
ME 154	Dsgn of Mach Elem	3			
GE Area D[2]	Social Sciences	3			
		15			

8th (Spring) SEMESTER					
Technical Area Course[3]		**3**			
ME 155	Sr Cap Design II	3			
ME 166	Energy Sys Design	3			
ME 159	Mech Sys Dsgn Lab	1			
GE Area F	Ethnic Studies	3			
		13			

[1]Also counts as major GPA

[2]See Catalog for GE Courses

[3]Take a miminum 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.

[4]ENGR 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.