BS in Mechanical Engineering Degree Planning Sheet (2024-2025)
4-Year Plan for Calculus Ready Students

THE UNIVERSITY OF MEMPHIS.

Students Name: _____   U Number: _____   Advisor: _____

Course	Title	CR	Grade	Semester	CS*	TR*	Course	Title	CR	Grade	Semester	CS*	TR*
Year 1 Fall		**17**					**Year 1 Spring**		**17**				
ENGL 1010	English Composition I	3					ENGL 1020	English Composition II	3				
ENGR 1010	Engr Problem Solving	3					CIVL 2131	Statics	3				
MATH 1910	Calculus I	4					MATH 1920	Calculus II	4				
MECH 1310	Intro. to Mech. Engr.	3					MECH 1314	Mech. Engr Computing	3				
PHYS 2110	Sci/Engr. Physics I	3					PHYS 2120	Sci/Engr. Physics II	3				
PHYS 2111	Sci/Engr. Physics I Lab	1					PHYS 2121	Sci/Engr Physics II Lab	1				
Year 2 Fall		**17**					**Year 2 Spring**		**15**				
CHEM 1110	Gen. Chem I	3					EECE 2201	Circuit Analysis I	3				
CHEM 1111	Gen. Chem I Lab	1					ENGL 3603	Engr. Communications	3				
MATH 2110	Calculus III	4					MATH 2120	Differential Equations	3				
MECH 2318	Computer Aid Design I	3					MECH 2311	Thermodynamics I	3				
MECH 2320	Mech. of Materials	3					MECH 2321	Engineering Materials	3				
MECH 2332	Dynamics	3											
Year 3 Fall		**15**					**Year 3 Spring**		**17**				
MECH 3312/21	Thermo II or Mech of Machines	3					MSCI ELEC	Math/Science Elective	3				
MECH 3319	Engrg. Econ/Proj Mgmt	3					ENGL 2201/2	Literary Heritage	3				
MECH 3323	Fund. Of Machine Design	3					MECH 3324	Sys Dyn, Vibrtns, Controls I	3				
MECH 3325	Mechanics of Materials Lab	1					MECH 3335	Fluid Mechanics Lab	1				
MECH 3331	Fluid Mechanics I	3					MECH 3341	Numerical & Stat Methods	3				
MECH 3351	Heat Transfer I	3					MECH 3355	Thermo/Heat Transfer Lab	1				
							MECH 3361/63	MECH Design Elective	3				
Year 4 Fall		**16**					**Year 4 Spring**		**14**				
GEN ED	Humanities/Fine Arts	3					GEN ED	Humanities/Fine Arts	3				
GEN ED	Social Science	3					GEN ED	Social Science	3				
MECH 4300	Prep. for Prof. Practice	1					MECH 4323	Senior Design II	2				
MECH 4314	Senior Design I	2					MECH ELEC		3				
MECH 4335	Sys Dyn, Vibrtns, Controls Lab	1					MECH ELEC		3				
MECH ELEC		3											
MECH ELEC		3											

Graduation & General Education Requirements

1. "C-" or better in all required engineering, math, and basic sciences courses
2. 12 hours of English with a "C- or better" in ENGL 1010 and 1020
3. 6 hours of Humanities and 6 hours of Social Science *from the approved list*.
4. 1 year of American History in High School or 6 hours at U of M do not count towards 128-hour major
5. Combined 30 hours of Mathematics and Basic Sciences
6. The Undergraduate Catalog used for this degree curriculum is valid for seven (7) years
7. CS* Course Substitution (approval required)/TR* Transfer Credit (approval required)
8. Degree requirements specified in the Undergraduate Catalog take precedence over this representation of that information.