Department of Mechanical Engineering   **B S in Mechanical Engineering Degree Planning Sheet (2020-2021)**   THE UNIVERSITY OF **MEMPHIS**

Students Name: Standard Plan of Study   U Number: Advisor:

Course	Title	CR	Grade	Semester Passed	CS*	TR*	Course	Title	CR	Grade	Semester Passed	CS*	TR*
Freshman I		**16**					**Freshman II**		**15**				
ENGL 1010	English Composition I	3					ENGL 1020	English Composition II	3				
ENGR 1010	Engr Problem Solving	3					MATH 1920	Calculus II	4				
MATH 1910	Calculus I	4					PHYS 2110	Sci/Engr. Physics I/Calc	3				
MECH 1310	Intro. to Mech. Engr.	2					PHYS 2111	Sci/Engr. Physics I/Calc Lab	1				
CHEM 1110	Gen. Chem I	3					MECH 1312	Mech. Engr Computing I	2				
CHEM 1111	Gen. Chem I Lab	1					MECH 1314	Mech. Engr Computing II	2				
Sophomore I		**17**					**Sophomore II**		**15**				
ENGL 2201/2	Literary Heritage	3					EECE 2201	Circuit Analysis I	3				
CIVL 2131	Statics	3					MATH 2120	Differential Equations	3				
MATH 2110	Calculus III	4					MECH 2311	Thermodynamics I	3				
PHYS 2120	Sci/Engr Physics II/Calc	3					MECH 2320	Mech. of Materials	3				
PHYS 2121	Sci/Engr Physics II/Calc Lab	1					MECH 2332	Dynamics	3				
MECH 2318	Engr. Design Comm.	3											
Junior I		**16**					**Junior II**		**17**				
GEN ED	Social Science	3					ENGL 3603	Engr. Communications	3				
MECH 3312	Thermodynamics II	3					MECH 3323	Machine Design	3				
MECH 3320	Engineering Materials	3					MECH 3335	Fluid Mechanics Lab	1				
MECH 3321	Mechanics of Machines	3					MECH 3341	Numerical & Stat Methods	3				
MECH 3325	Mechanics of Materials Lab	1					MECH 3351	Heat Transfer	3				
MECH 3331	Fluid Mechanics	3					SCI. ELEC.	Basic Science with Lab	3				
							SCI. ELEC.	Basic Science Lab	1				
Senior I		**16**					**Senior II**		**16**				
GEN ED	Humanities	3					GEN ED	Humanities	3				
MECH 4314	Senior Design I	3					ECON 2010	Macroeconomics	3				
MECH 4319	Engr. Econ. & Mgmt.	2					MECH 4323	Senior Design II	3				
MECH 4300	Prep. for Prof. Practice	1					MECH 4335	System Dynamics Lab	1				
MECH 4322	System Dynamics	3					MECH ELEC		3				
MECH 4355	Heat Transfer Lab	1					TECH ELEC**		3				
MECH ELEC		3											

*(CS) Course Substitution (approval required) or (TR) Transfer Credit (approval required)
**TECH ELEC upper division Math, Science, or Engineering course approved by advisor

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 3 hours of Social Science *from the approved list*.
4. 1 year of American History in High School or 6 hours at U of M.
5. 32 hours of Mathematics and Basic Sciences
6. Basic Science with Lab requirement may be satisfied by:
   CHEM 1120+1121 or BIOL 1110+1111, or ESCI 1020 or 1040 or 1050.
7. The Undergraduate Catalog used for this degree specification is valid for seven (7) years

NOTE: Degree requirements specified in the Undergraduate Catalog take precedence over the information on this page.