



# MECHANICAL ENGINEERING LOUISIANA TECH UNIVERSITY

Name \_\_\_\_\_

Date \_\_\_\_\_

Student ID \_\_\_\_\_

Email \_\_\_\_\_

FRESHMAN YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
ENGR 120*	Engr Problem Solving I	2	ENGR 121*	Engr Problem Solving II	2	ENGR 122*	Engr Problem Solving III	2		
MATH 240*	Math for Engr & Science	3	MATH 241*	Calculus I	3	MATH 242*	Calculus II	3		
CHEM 100*	General Chemistry	2	CHEM 101*	General Chemistry	2	CHEM 102*	General Chemistry	2		
ENGL 101	Freshmen Composition I	3	CHEM 103*	General Chemistry Lab	1	PHYS 201*	Physics for Engr & Sci. I	3		
UNIV 100	University Seminar	1	ENGL 102	Freshmen Composition II	3					
		11			11			10		

SOPHOMORE YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
ENGR 220*	Statics & Mechs of Materials	3	ENGR 221*	Electrical Engr & Circuits I	3	ENGR 222*	Thermodynamics	3		
MATH 243*	Calculus III	3	MATH 244*	Calculus IV	3	MATH 245*	Differential Equations	3		
MEEN 215	Engineering Materials Lab	1	MEMT 203*	Dynamics	3	PHYS 202*	Physics for Engr & Sci. II	3		
MEMT 201*	Engineering Materials	2	HIST ____***		3	ENGL 303	Technical Writing	3		
BISC 101	Fundamentals of Biology	3								
		12			12			12		

JUNIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MEEN 350	Computer-Aided Modeling	1	MEEN 321	Manufacturing Processes	2	MEEN 353	Heat Transfer	3		
MEEN 382	Basic Measurements	2	MEEN 332	Thermodynamics II	3	MEEN 361	Adv. Mechanics of Materials	3		
MEMT 211*	Intermed. Strength of Materials	2	MEEN 363	Dynamics of Machine Elements	3	MEEN 371	Dynamic Systems	3		
MEMT313*	Fluid Mechanics	3	MATH 313	Intro. Numerical Analysis	3	ART†	Fine Arts Appreciation	3		
ENGL 363	Scientific/Tech. Presentation	3								
		11			11			12		

SENIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MEEN 451	Thermal Design	3	MEEN 481	Capstone Design Project II	1	MEEN 482	Capstone Design Project III	1		
MEEN 462	Machine Element Design	3	MEEN Directed Elective**		3	Directed Elective**		3		
MEEN 480	Capstone Design Project I	1	MEEN Directed Elective**		3	ENGL 210, 211 or 212	Literature	3		
INEN 300	Engineering Economics	2	Social Science ***		3	Social Science ***		3		
Social Science	(ECON 202)	3								
		12			10			10		

Neither *MATH 240* nor *CHEM 100* counts toward the Mechanical Engineering degree. Placement exams are available.

\* Grade of C or higher required before taking a course for which this one is a prerequisite.

\*\* Directed electives are chosen in consultation with advisor and approved by the Program Chair.

\*\*\* HIST 102, GEOG 205, or GEOG 210 count as the International Education Requirement (IER).

† ART 290, KINE 280, MUGN 290, or THTR 290 counts as the Fine Arts Requirement.

Courses in **bold** are typically offered only once per year.