MECHANICAL ENGINEERING LOUISIANA TECH UNIVERSITY

Curriculum as of 2014

Name					Date	
Student II	<u>D</u>				Email	
COURSE	PREREQUISITE	SH	SCHED	GRADE	SUBSTITUTIONS APPR SH GRADE	
321 332 350 353 361 363 371 382 451 462 480	MEMT 201** MEMT 201, MEEN 350 ENGR 222, MEEN 350, MATH 241-244 GPA ≥ 2.0 ENGR 220, MATH 241-244 GPA ≥ 2.0 MATH 313, MEEN 350 MEMT 211, MEEN 350 MEMT 203, MEEN 350 MEMT 203, MEEN 350 MATH 245, 313, MEEN 350, MEMT 203, ENGR 221 ENGR 221, MATH 241-244 GPA ≥ 2.0 MEEN 353, MEMT 313 MEEN 361 MEEN 215, 321, 451**, 462** MEEN 480 MEEN 481	1 2 3 1 3 3 3 2 3 3 1 1 1	F, W, S F, S S S F, F, F, F, S S S S F, F, F, F, S S S S		1	
102	CHEM 100 (or by placement) CHEM 101 CHEM 101**	2 2 1		*	ADDITIONAL COURSES SH GRADE	
210, 211, or 212 303	ENGL 101 ENGL 102 ENGL 102 ENGL 303	3 3 3 3				
121 122 220 221	MATH 240**, CHEM 100** ENGR 120, MATH 241**, CHEM 101** ENGR 121, MATH 242** ENGR 122, MATH 242, PHYS 201 ENGR 122, MATH 242, PHYS 201 ENGR 122, MATH 242	2 2 2 3 3 3		* * * * * * * * * * * * * * * * * * * *	NOTES * Requires grade of "C" or better	-
INEN 300		2			** Credit or registration in 1 Social Science electives must include at least two	
203 211	ENGR 122 ENGR 220 ENGR 220, MATH 241-243 GPA ≥ 2.0 ENGR 220, 222, MEMT 203 or 312, MATH 241-244 GPA ≥ 2.0	2 3 2 3		*	disciplines, selected from Economics, Geography, Political Science, Psychology, or Sociology. 2 Directed electives must be selected in consultation with students advisor. 3 Substitutions must be initialed by Program Chair.	
242 243 244 245	MATH 240 (or by placement) MATH 241 MATH 242 MATH 243 MATH 244 MATH 244	თ თ თ თ თ თ		* * * * * * * * * * * * * * * * * * * *	Put substitution number in the "grade" blank of the course being replaced. 4 A student must have a minimum 2.0 grade point average on all hours pursued in courses designated as MEEN (Mechanical Engineering), MEMT, and ENGR 220 and 222.	•
PHYS 201 202	PHYS 201, MATH 242	3	<u>=</u>	*	5 All students must complete an International Education Requirement. HIST 102, GEOG 205, and GEOG 210 are acceptable for this requirement	ıt.
ART (ART 2 HIST BISC 101 Social Scier Social Scier MEEN Direc MEEN Direc Directed Ele	290, KINE 280, MUGN 290, or THTR 290)	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			Comments:	

Advisor's Name___

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Name	Date
Student ID	Email

	FRESHMAN YEAR										
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	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	
СНЕМ 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	

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

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

				SENIOR YEAR					
	Fall Quarter	Cr	Gr	Winter Quarter	Cr	Gr	Spring Quarter	Cr	G
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	Ī

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

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

^{*} 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.