

**MECHANICAL ENGINEERING
LOUISIANA TECH UNIVERSITY**

Name _____

Date _____

Student ID _____

Email _____

FRESHMAN YEAR (33 sch)										
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 I	3	MATH 241*	Math for Engr & Science II	3	MATH 242*	Math for Engr & Science III	3		
CHEM 100*	General Chemistry	2	CHEM 101*	General Chemistry	2	PHYS 201*	Physics for Engr & Science I	3		
UNIV 100	University Seminar	1	CHEM 103*	General Chemistry Lab	1	BISC 101	Fundamentals of Biology	3		
ENGL 101	Freshman Composition I	3	ENGL 102	Freshman Composition II	3					
		11			11			11		

SOPHOMORE YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MEEN 215	Engineering Materials Lab	1	ENGR 220*	Statics & Mechs of Materials	3	ENGR 222*	Thermodynamics	3		
MATH 243*	Math for Engr & Science IV	3	ENGR 221*	Electrical Engr & Circuits I	3	MATH 245*	Math for Engr & Science VI	3		
MEMT 201*	Engineering Materials	2	MATH 244*	Math for Engr & Science V	3	MEMT 312*	Dynamics	2		
PHYS 202*	Physics For Engr & Science II	3	ART‡	Fine Arts Appreciation	3	ENGL 303	Technical Writing	3		
Social Science	(ECON 215)	3								
		12			12			11		

JUNIOR YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MEEN 351	Computer-Aided Modeling	2	MEEN 292	Mech Engr Computer Apps	3	MEEN 321	Manufacturing Processes	2		
MEEN 382	Basic Measurements	2	MEEN 332	Thermodynamics II	3	MEEN 353	Heat Transfer	3		
MEMT 212*	Intermed Strength of Materials	3	MEMT 313*	Elementary Fluid Mechanics	3	MEEN 361	Adv Mechanics of Materials	3		
INEN 300	Engineering Economics	2	ENGL 363	Scientific/Tech Presentation	3	MEEN 371	Dynamic Systems	3		
Social Science†		3								
		12			12			11		

SENIOR YEAR (32 sch)										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MEEN 400	Mechanical Engr Seminar	1	MEEN 363	Dynam Of Machine Elements	3	MEEN 482	Capstone Design Project III	1		
MEEN 451	Thermal Design	3	MEEN 475	Mechatronics	3	Technical Elective**		3		
MEEN 462	Machine Element Design	3	MEEN 481	Capstone Design Project II	1	Social Science†		3		
MEEN 480	Capstone Design Project I	1	MEEN 486	Mechanical Engr Lab	1	ENGL 210, 211 or 212	Literature	3		
HIST ____†		3	Technical Elective**		3					
		11			11			10		

Courses in bold-face taught only once a year.

* Grade of C or higher required

** Technical or directed electives must be approved by the Program Chair.

† HIST 102, GEOG 205, or GEOG 210 counts as the International Education Requirement.

‡ ART 290, SPTH 290, MUGN 290, or KINE 280 counts as the Fine Arts Requirement.

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Revised November 2009

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COURSE	PREREQUISITE	SH	SCHED	GRADE
MEEN 215	MEMT 201 (Co-req)	1	F	_____
292	MATH 245 (Co-req)	3	W	_____
321	MEMT 201, MEEN 351	2	Sp	_____
332	ENGR 222, MATH 240-244 GPA 2.0	3	F	_____
351	MATH 240-244 GPA 2.0	2	F	_____
353	MEEN 292, 332, 351	3	Sp	_____
361	MEMT 212, 312, MEEN 351	3	Sp	_____
363	MEMT 312, MEEN 351	3	W	_____
371	MEEN 292, MEMT 312, 313, ENGR 221, MATH 245	3	Sp	_____
382	ENGR 221, MATH 240-244 GPA 2.0	2	F	_____
400	MEEN 480 (Co-req)	1	F	_____
451	MEEN 353, MEMT 313	3	F	_____
462	MEEN 292, 361	3	F	_____
475	MEEN 371	3	W	_____
480	MEEN215,321,451&462 (Co-req),ENGL363,INEN300	1	F	_____
481	MEEN 480	1	W	_____
482	MEEN 481	1	Sp	_____
486	MEEN 353, 361, 382, MEMT 313	1	W	_____
CHEM 100	ENGR 120 (Co-req), MATH 240 (Co-req)	2	_____	*_____
101	CHEM 100, ENGR 121 (Co-req), MATH 241 (Co-req)	2	_____	*_____
103	CHEM 101 (Co-req)	1	_____	*_____
ENGL 101	ACT English > 18	3	_____	_____
102	ENGL 101	3	_____	_____
210-212	ENGL 102	3	_____	_____
303	ENGL 102	3	_____	_____
363	ENGL 303	3	_____	_____
ENGR 120	MATH 240 (Co-req), CHEM 100 (Co-req)	2	_____	*_____
121	ENGR 120, MATH 241 (Co-req), CHEM 101 (Co-req)	2	_____	*_____
122	ENGR 121, MATH 242 (Co-req), PHYS 201 (Co-req)	2	_____	*_____
220	ENGR 122, PHYS 201, MATH 242	3	_____	*_____
221	MATH 243, MATH 244 (Co-req)	3	_____	*_____
222	MATH 242, ENGR 122	3	_____	*_____
INEN 300		2	_____	_____
MEMT 201	ENGR 122, PHYS 201	2	_____	*_____
212	ENGR 220, MATH 240-243 GPA 2.0	3	_____	*_____
312	ENGR 220, PHYS 201	2	_____	*_____
313	ENGR 220, 222, MEMT 312, MATH 240-244 GPA 2.0	3	_____	*_____
MATH 240	MATH 101 (OR BY PLACEMENT)	3	_____	*_____
241	MATH 240	3	_____	*_____
242	MATH 241	3	_____	*_____
243	MATH 242	3	_____	*_____
244	MATH 243	3	_____	*_____
245	MATH 244	3	_____	*_____
PHYS 201	MATH 241	3	_____	*_____
(PHYS 202	PHYS 201, MATH 242	3	_____	*_____
ELECTIVES				
ART (ART 290, MUGN 290, SPTH 290 or KINE 280)		3	_____	_____
HIST _____	See Note 5	3	_____	_____
BISC 101		3	_____	_____
Social Science	(ECON 215 REQUIRED)	3	_____	_____
Social Science	See Note 5	3	_____	_____
Social Science		3	_____	_____
Directed Elective		3	_____	_____
MEEN Directed Elective		3	_____	_____
TOTAL SEMESTER HOURS		134		

SUBSTITUTIONS	APPR	SH	GRADE
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____
6	_____	_____	_____

ADDITIONAL COURSES	SH	GRADE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

NOTES
* Requires grade of "C" or better.
1 Social Science electives must include at least two 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 initiated by Program Chair. Put substitution number in the "grade" blank of the course being replaced.
4 To graduate, student must have a minimum 2.0 GPA on ALL hours pursued in courses designated as MEEN and MEMT, as well as ENGR 220 and 222.
5 All students must complete an International Education Requirement, as stated in the University Catalog. HIST 102, GEOG 205, and GEOG 210 are acceptable for this requirement.
Comments: _____

Advisor's Name _____