

**MECHANICAL ENGINEERING
LOUISIANA TECH UNIVERSITY**

Name _____

Date _____

Student ID _____

Email _____

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	W	_____
351	Math 240-244 GPA ≥ 2.0	2	F	_____
353	MEEN 292, 332, 351	3	Sp	_____
361	MEEN 351, MEMT 212, 312	3	Sp	_____
363	MEEN 351, MEMT 312	3	W	_____
371	ENGR 221, MATH 245, MEEN 292, MEMT 312 & 313	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	MEEN 215, 321, ENGL 463, INEN 300	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	2	_____	* _____
103	CHEM 101 (Co-req)	1	_____	* _____
ENGL 101	NONE	3	_____	_____
102	ENGL 101	3	_____	_____
201 or 202	ENGL 102	3	_____	_____
303	ENGL 102	3	_____	_____
463	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	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, ENGR 222, MEMT 312 and 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 242 (Co-req)	3	_____	* _____
202	PHYS 201	3	_____	_____
ELECTIVES				
ART (ART 290, MUGN 290, SPTH 290, or HES 280)	_____	3	_____	_____
HIST	_____	3	_____	_____
BISC 101	_____	3	_____	_____
Social Science	(ECON 215 REQUIRED)	3	_____	_____
Social Science	_____	3	_____	_____
Social Science	_____	3	_____	_____
MEEN Technical Elective	_____	3	_____	_____
MEEN Technical 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.

- Social Science electives must include at least two disciplines, selected from Economics, Geography, Political Science, Psychology, or Sociology.
- Technical electives must be selected in consultation with students advisor.
- Substitutions must be initialed by Program Chair. Put substitution number in the "grade" blank of the course being replaced.
- In order to graduate, student must have a minimum 2.0 grade point average on all hours pursued in courses designated as MEEN (Mechanical Engineering), ENGR 220, 222, & MEMT (Mechanics and Materials).
- HIST 102, GEOG 205, or GEOG 210 counts as the International Education Requirement.

Comments: _____

Advisor's Name _____

**MECHANICAL ENGINEERING
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FRESHMAN YEAR (33 sch)										
Fall Quarter			Winter Quarter			Spring Quarter				
	Cr	Gr		Cr	Gr		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					

SOPHOMORE YEAR (35 sch)										
Fall Quarter			Winter Quarter			Spring Quarter				
	Cr	Gr		Cr	Gr		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		Cr	Gr		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 463	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		Cr	Gr		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 201 or 202	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 HPE 280 counts as the Fine Arts Requirement.