MECHANICAL ENGINEERING AND APPLIED PHYSICS EMPHASIS DOUBLE DEGREES CURRICULUM
last update: 9-2012

1st YEAR

FALL SEMESTER					SPRING SEMESTER		
Course#	*Description*	*Credit Hrs*			*Course#*	*Description*	*Credit Hrs*
ME 123	Introduction to M.E.Design	3			PHYS 211	Physics I	4
Math 170	Calculus I	4			Math 175	Calculus II	4
Comm 101	Fundamentals of Speaking	2			Chem 111	Princ. of Chem. I	4
Engl 102	Core Comm. I	3				General Core	3
	General Core	3			Engr 210	Engineering Statics	3
	Total=	15				Total=	18

2nd YEAR

FALL SEMESTER					SPRING SEMESTER		
PHYS 212	Physics II	4			PHYS 213	Physics III	4
Math 310	Ordinary Differential Equ.	3			ME 301	Computer aided Engineering	3
PHYS 200	Seminar	1			Math 275	Calculus III	3
Engr 350	Eng. Mechanics Materials	3			Engr 220	Engineering Dynamics	3
ME 223	Mechanical Design Analysis	3			Engr 240	Intro. To Electrical Circuits	3
MSE 201	Engineering Materials (fall)	3					
	Total=	17				Total=	16

3rd YEAR

FALL SEMESTER					SPRING SEMESTER		
ME 313	Dynamic Dodeling	3			ME 325	Machine Design (Spr only)	3
ME 341	Intermediate Mechanics	3			ME 345	Heat Transfer	3
Engr 320	Engineering Thermo & Heat	3			ME 324	Dynamic Analysis in Design	3
Engr 335	Engineering Fliud Mechanics	3			ME 330	Experimental Method	3
Math 330	Linear Algebra	3			PHYS 305	Modern Physics	3
Elective	Economics elective	4			Phil 103	Ethics	3
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	Total=	19				Total=	18

4th YEAR

FALL SEMESTER					SPRING SEMESTER		
ME 424	Mechanical system Design I	3			CE 411	Fundamentals of Eng Review	3
ME 430	Senior Lab	3			PHYS 351	Intro. Quantum Mechanics I	3
ME 435	Therm. System Design	3			ME 412	Gas Dynamics	3
Engl 317	Techincal Writing	3			ME 420	Fluid Dynamics	3
Phys 321	Analytic Machnics I	3			Chem 112	Priciples of Chemstry II	5
Elective	Humanities/Social Science	3					
	Total=	18				Total=	17

5th YEAR

FALL SEMESTER			
PHYS 341	Electromagnetic Fields I	3	
PHYS 411	Physical Instrumentation I	3	
ME 413	Engineering Acoustics	3	
Elective	Humanities/Social Science	3	
	Total	12	

	TOTAL=	**151**	