



Mechanical Engineering Department, Bulletin Year 2011-2012

MECHANICAL ENGINEERING with Acoustics Concentration (B.S.M.E.)

<i>Fall</i>		<i>Spring</i>	
Course Name	Credit Hours	Course Name	Credit Hours
SEMESTER 1		SEMESTER 2	
M 144 Calculus I	4	M 145 Calculus II	4
RPW 110 Rhetoric and Writing I	3	PHY 112 Calculus based Physics I	4
ES 101 Engineering Freshman Dialogue	1	ES 115 Eng. Computer Applications	3
ES 143 Engineering & Design	3	AUCW 180 Western Heritage	3
ES 220 Graphic Communication	2	AUCA/C Elective	3
AUCA/C Elective	3		
SEMESTER TOTALS	16	SEMESTER TOTALS	17
SEMESTER 3		SEMESTER 4	
[ME 265 Fundamentals of Architectural & Musical Acoustics]	[3]	ES 242 Engineering by Design	3
CH 110 College Chemistry I	4	ES 211 Dynamics	3
M 240 Calculus of Several Variables	4	ES 212 Mechanics of Materials	3
PHY 113 Calculus based Physics II	4	M 242 Differential Equations	3
ES 110 Statics	3	AUCS 340 Ethics in the Professions	3
		ME 236 Thermodynamics I	3
SEMESTER TOTALS	[18] 15	SEMESTER TOTALS	18
SEMESTER 5		SEMESTER 6	
M 344 Advanced Engineering Math	3	ME 350 Vibrations I with Applications	3
ECE 210 Intro to Electrical Engineering	3	PHY 260 Optics	4
ME 213 Mechanical Engineering Materials Lab	3	ME 341 Heat Transfer	3
ME 337 Thermodynamics II	3	ME 342 Fluid Mechanics and Heat Lab	3
ME 340 Fluid Mechanics	3	ME 470 Mechanical Syst. and Processes	3
ME 370 Elements of Mech. Design	3	ES 342 Engineering Practice	1
SEMESTER TOTALS	18	SEMESTER TOTALS	17
SEMESTER 7		SEMESTER 8	
ME 460 Engineering and Envir. Acoustics	3	ME 461/561 Acoustics Capstone Design Project	3
ES 440 Auto. Control System Analysis	3	ES 493 Engineering Research or ME 450/550 Vibs II	3
ME 472 Capstone Design Project	3	ME 405/505 Mechatronics System Design	3
ECE 360 Circuits and Electronics	4	ME 440 Ther. Syst./Mech. Syst. Design	3
H/SS Humanity Social Science Elective	3	H/SS Humanity/Social Science Elective	3
[MPT 450 Sound Technology]	[3]	[MPT 451 Sound Technology II]	[3]
SEMESTER TOTALS	[19] 16	SEMESTER TOTALS	[18] 15
		PROGRAM TOTALS	132

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