



*Mechanical Engineering Department, Bulletin Year 2009-2010*

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

<i>Fall</i>		<i>Spring</i>	
Course Name	Credit Hours	Course Name	Credit Hours
<b>SEMESTER 1</b>		<b>SEMESTER 2</b>	
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		
<b>SEMESTER TOTALS</b>	<b>16</b>	<b>SEMESTER TOTALS</b>	<b>17</b>
<b>SEMESTER 3</b>		<b>SEMESTER 4</b>	
[ES 262 Intro Musical/Architectural. Acoustics]	<b>(3)</b>	M 242 Differential Equations	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	ES 242 Engineering by Design	3
ES 110 Statics	3	AUCS 340 Ethics in the Professions	3
		ME 236 Thermodynamics I	3
<b>SEMESTER TOTALS</b>	<b>15 (18)</b>	<b>SEMESTER TOTALS</b>	<b>18</b>
<b>SEMESTER 5</b>		<b>SEMESTER 6</b>	
M 344 Advanced Engineering Math	3	ME 350 Vibrations I	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
<b>SEMESTER TOTALS</b>	<b>18</b>	<b>SEMESTER TOTALS</b>	<b>17</b>
<b>SEMESTER 7</b>		<b>SEMESTER 8</b>	
ME 460 Engineering and Envir. Acoustics	3	ME 502 Noise Control Design	3
ES 440 Auto. Control System Analysis	3	ME 503 Vibrations II or ES 493	3
ME 472 Capstone Design Project	3	ME 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]
<b>SEMESTER TOTALS</b>	<b>[19] 16</b>	<b>SEMESTER TOTALS</b>	<b>[18] 15</b>
		<b>PROGRAM TOTALS</b>	<b>132</b>

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