

**Engineering Physics, Mechanical Option, 2005-2006 Catalog**

<b><i>Student Name:</i></b>				
<b><i>Student Number:</i></b>				
<b><i>Catalog Year:</i></b>				
<b>Course</b>	<b>Course Name</b>	<b>Credits (128)</b>	<b>Completed Grade</b>	<b>Notes</b>
<i>Physics Requirements</i>		38		
Phys 213	Mechanics	3		
Phys 213L	Experimental Mechanics	1		
Phys 214	Electricity and Magnetism	3		
Phys 214L	Electricity and Magnetism Laboratory	1		
Phys 217	Heat, Light, and Sound	3		
Phys 217L	Experimental Heat, Light, and Sound	1		
Phys 315	Modern Physics	3		
Phys 315L	Experimental Modern Physics	2		
Phys 454	Intermediate Modern Physics I	3		
Phys 455	Intermediate Modern Physics II	3		
Phys 461	Intermediate Electricity and Magnetism I	3		
Phys 462	Intermediate Electricity and Magnetism II	3		
Phys 475	Advanced Experimental Modern Physics	3		
Phys 495	Mathematical Methods of Physics I	3		
Physics Elective		3		
<i>Mechanical Engineering Requirements</i>		43		
ME 102	Introduction to Mechanical Engineering	1		
ME 159	Graphical Communication and Design	2		
CE 301	Mechanics of Materials	3		
ME 236	Engineering Mechanics I	3		
ME 237	Engineering Mechanics II	3		
ME 240	Thermodynamics	3		
ME 260	Mechanical Engineering Problem Solving	3		
ME 328	Engineering Analysis I	3		
ME 329	Engineering Analysis II	3		
ME 333	Intermediate Dynamics	3		
ME 338	Fluid Mechanics	3		
ME 341	Heat Transfer	3		

ME 426	Design Project Laboratory I	3		
ME 427	Design Project Laboratory II	3		
ME 449	Senior Seminar	1		
Engineering Elective		3		
<i>Math Requirements</i>		15		
Math 191	Calculus and Analytic Geometry I	3		
Math 192	Calculus and Analytic Geometry II	3		
Math 291	Calculus and Analytic Geometry III	3		
Math 392	Ordinary Differential Equations	3		
Math Elective	(From Math 391, 471,472,473, 480, Stat 371, ESt 465, or IE 310)	3		
<i>Natural Science Requirement</i>		4		
Chem. 111	General Chemistry I	4		
<i>General Education Requirements</i>		28		
Engl 111G	Rhetoric and Composition	4		
Engl 281G	Technical and Scientific Communication	3		
Critical Thinking and Analysis	( <i>non-computer; ME 260 already counted for this category</i> )	3		
Historical Perspectives		3		
Human Thought		3		
Social Analysis		3		
Literature and Fine Arts		3		
Viewing a Wider World I		3		
Viewing a Wider World II		3		
<i>(Viewing a Wider World courses must not be in Engineering or Physics)</i>				
<b>Final Approvals and Date</b>	<b>Advisor:</b>			
	<b>Department Head:</b>			
	<b>Dean:</b>			