

Engineering Physics, Electrical Option, 2005-2006 Catalog

<i>Student Name:</i>				
<i>Student Number:</i>				
<i>Catalog Year:</i>				
Course	Course Name	Credits (128+)	Completed Grade	Notes
<i>Physics Requirements</i>		<i>40 or 41</i>		
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 451	Intermediate Mechanics I	3		
Phys 454	Intermediate Modern Physics I	3		
Phys 455	Intermediate Modern Physics II	3		
Phys 475 (or Phys 471)	Advanced Experimental Modern Physics (or Modern Experimental Optics)	3 or 2		
Phys 480	Thermodynamics	3		
Phys 495	Mathematical Methods of Physics I	3		
Physics Elective I		3		
Physics Elective II		3		
<i>Electrical Engineering Requirements</i>		<i>44</i>		
EE 111	Introduction to Electrical and Computer Engineering	4		
EE 161	Computer-Aided Problem Solving	4		
EE 211	AC Circuits	4		
EE 221	Electronics I	4		
EE 261	Digital Design I	4		
EE 301	Vector Principles for Electrical Engineers	3		
EE 311	Signals and Systems	4		
EE 315	Electromagnetics I	4		
EE 341	Control Systems	4		

EE 498	Capstone Design I	3		
EE499	Capstone Design II	3		
EE Elective		3		
<i>Math Requirements</i>		12		
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		
<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; EE 161 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>				
<i>Final Approvals and Date</i>	<i>Advisor:</i>			
	<i>Department Head:</i>			
	<i>Dean:</i>			