

Engineering Physics, Electrical Option, 2011-2012 Catalog

<i>Student Name:</i>				
<i>Student Number:</i>				
<i>Catalog Year:</i>				
Course	Course Name	Credits (133)	Completed Grade	Notes
<i>Physics Requirements</i>		36		
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	3		
Phys 395	Intermediate Mathematical Methods of Physics	3		
Phys 451	Intermediate Mechanics I	3		
Phys 454	Intermediate Modern Physics I	3		
Phys 455	Intermediate Modern Physics II	3		
Phys 475	Advanced Physics Laboratory	3		
Phys 480	Thermodynamics	3		
<i>Electives</i>		15		
Phys 461 & 462 or EE 310 & 351	Intermed. Elec. & Magnetism I & II or Eng. Analysis II and Applied Electromagnetics	6		
Phys. and EE electives		9		
<i>Electrical Engineering Requirements</i>		33		
EE 161	Computer-Aided Problem Solving	4		
EE 162	Digital Circuit Design	4		
EE 210	Engineering Analysis I	4		
EE 260	Embedded Systems	4		
EE 280	DC and AC Circuits	4		
EE 312	Signals and Systems I	3		
EE 380	Electronics I	4		

EE 418 or Phys 450	Capstone Design I	3		
EE 419 or Phys 450	Capstone Design II	3		
<i>Math Requirements</i>		14		
Math 191	Calculus and Analytic Geometry I	4		
Math 192	Calculus and Analytic Geometry II	4		
Math 291	Calculus and Analytic Geometry III	3		
Math 392	Ordinary Differential Equations	3		
<i>Other Requirements</i>		4		
Chem. 111	General Chemistry I	4		
<i>General Education Requirements</i>		31		
Engl. 111G	Rhetoric and Composition	4		
Written Communication		3		
Oral Communication		3		
Math Requirement	<i>(already counted in EP curriculum)</i>			<i>Done</i>
Natural Science I & II	<i>(already counted in EP curriculum)</i>			<i>Done</i>
Social and Behavioral Sciences		6-9		
Humanities and Fine Arts		6-9		
Viewing a Wider World I & II	<i>(Viewing a Wider World courses must not be in Engineering or Physics)</i>	6		
<i>Final Approvals and Date</i>	<i>Advisor:</i>			
	<i>Department Head:</i>			
	<i>Dean:</i>			