

Engineering Physics, Aerospace Option, 2011-2012 Catalog

Student Name:	
Student Number:	
Catalog Year:	

Course	Course Name	Credits (133)	Completed Grade	Notes
Physics Requirements		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 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 Physics Laboratory	3		
Electives		3		
Phys. or AE elective		3		
Aerospace Engineering Requirements		45		
AE 339	Aerodynamics I	3		
AE 362	Orbital Mechanics and Space Environment	3		
AE 363	Aerospace Structures	3		
AE 364	Flight Dynamics and Controls	3		
AE 419	Propulsion	3		
AE 424	Aerospace Systems Engineering	3		
AE 428	Aerospace Capstone Design	3		
AE 429	Aerodynamics II	3		
AE 447	Aerofluids Laboratory	3		
CE 301	Mechanics of Materials	3		

ME 102	Mechanical Engineering Orientation	1		
ME 159	Graphical Communication and Design	2		
ME 236	Engineering Mechanics I	3		
ME 237	Engineering Mechanics II	3		
ME 240	Thermodynamics	3		
ME 345	Experimental Methods I	3		

Math Requirements		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		
Natural Science Requirement		4		
Chem. 111	General Chemistry I	4		
General Education Requirements		31		
Engl. 111G	Rhetoric and Composition	4		
Written Communication		3		
Oral Communication		3		
Math Requirement	<i>(already counted in EP curriculum)</i>			
Natural Science I & II	<i>(already counted in EP curriculum)</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		
Final Approvals and Date	Advisor:			
	Department Head:			
	Dean:			