

February 2009

**University of Virginia
School of Engineering and Applied Science**

Curriculum: Electrical & Mechanical (Mechatronics Concentration*)

2009	Fall	5 hours	
	ECE 203	Introductory Circuit Analysis.....	3
	MAE 200	Introduction to Mechanical Engineering.....	2
2010	Spring	6 hours	
	ECE 200	Science of Information.....	3
	ECE 204	Electronics I.....	3
	Summer 1	3 hours (mid May - early June)	
	ECE 303	Solid State Devices.....	3
	Summer 2	3 hours (mid June - mid July)	
	MAE 321	Fluid Mechanics.....	3
	Summer 3	3 hours (mid July - mid August)	
	ECE 323	Signals and Systems I.....	3
	Fall	6 hours	
ECE 230	Digital Logic Design.....	3	
MSE 209	Introduction to the Science and Engineering of Materials.....	3	
2011	Spring	6 hours	
	MAE 314	Elements of Heat and Mass Transfer.....	3
	MAE 362	Machine Elements and Fatigue in Design.....	3
	Summer 1	3 hours (mid May - early June)	
	MSE 367	Materials for Electrical, Magnetic, and Optical Properties.....	3
	Summer 2	4 hours (mid June - mid July)	
	ECE 310	Electromechanical Energy Conversion.....	4
	Summer 3	3 hours (mid July - mid August)	
	MAE 371	Mechanical Systems Modeling.....	3
	Fall	6 hours	
ECE 402	Linear Control Systems.....	3	
STS 401	Western Technology and Culture.....	3	
2012	Spring	7 hours	
	MAE 472	Advanced Mechatronics.....	4
	STS 402	The Engineer, Ethics, & Society.....	3
	Summer 1	2 hours (mid May - early June)	
	MAE 452	Advanced Independent Project.....	3
	Summer 2	3 hours (mid June - mid July)	
	STS 200	Business Ethics.....	3
	Summer 3	3 hours (mid July - mid August)	
MAE 452	Advanced Independent Project.....	3	
			64

* Visit www.seas.virginia.edu/engineeringscience/curriculum_Mechtronics.php for additional details.

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