

February 2009

University of Virginia
School of Engineering and Applied Science

Curriculum: Materials & Mechanical (Materials Science and Engineering*)

2009	Fall	5 hours	
	MSE 209	Introduction to the Science and Engineering of Materials.....	3
	MAE 200	Introduction to Mechanical Engineering.....	2
2010	Spring	6 hours	
	MSE 306	Structure and Defects of Materials.....	3
	MSE 310	Materials Science Investigations.....	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)	
	MSE 301	Corrosion, Fuel Cells, and Batteries.....	3
		Fall	6 hours
	ECE 203	Introductory Circuit Analysis.....	3
	MSE 305	Thermodynamics and Kinetics of Materials.....	3
2011	Spring	6 hours	
	MAE 314	Elements of Heat and Mass Transfer.....	3
	MSE 432	Origins of Mechanical Behavior.....	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
	MSE 352	Engineering Materials Selection.....	3
	STS 401	Western Technology and Culture.....	3
2012	Spring	6 hours	
	MSE 421	Processing of Advanced Materials.....	3
	STS 402	The Engineer, Ethics, & Society.....	3
	Summer 1	3 hours (mid May - early June)	
	MSE 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)	
	MSE 452	Advanced Independent Project.....	4

*Visit www.seas.virginia.edu/engineeringsscience/curriculum_MSE.php for additional details.

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