MECHANICAL ENGINEERING UNDERGRADUATE CURRICULUM

For Students Starting in Fall 2015 Graduating in 2019

FIRST SEMESTER credits		174	SECOND SEMESTER		
APMA 1110 CHEM 1610 CHEM 1611 ENGR 1620 ENGR 1621 STS 1500	Single Variable Calculus Intro Chem for Engineers Intro Chem Lab for Engineers Introduction to Engineering Introduction to Engineering Sci, Tech, Contemporary Issues Total	(4)	APMA 2120 CS 1110 PHYS 1425 PHYS 1429	Multivariable Calculus Intro to Programming General Physics 1 Gen Phys 1 Workshop Science 1 Elective ¹ HSS Elective 1 ³ Total	credits (4) (3) (3) (1) (3) (3) (17)
THIRD SEMESTER			FOURTH SEMESTER		
MAE 2000 APMA 3110 MAE 2300 PHYS 2415 PHYS 2419	Intro to Mechanical Engineering Probability & Statistics Statics General Physics 2 General Physics 2 Workshop HSS Elective 2 ³	credits (3) (3) (3) (3) (1) (3) (16)	APMA 2130 MAE 2100 MAE 2310 MAE 2320 STS 2000/3000	Ordinary Differ Eqn Thermodynamics Strength of Materials Dynamics Science and Tech	credits (4) (3) (3) (3) (3) (16)
FIFTH SEMESTER			SIXTH SEMESTER		
		credits	SIATH SENIES	oi ex	
MAE 3210 MAE 3310 MAE 3710 MAE 3810	Fluid Mechanics Aerospace Structures Mechanical Systems Experimental Methods Lab Math/Science 2 Elective ¹ Unrestricted Elective 1 Total	(3) (3) (3) (3) (3) (18)	MAE 3140 MAE 3620 MAE 3840 MAE 4710	Elem Heat&Mass Transfe Machine Elements Mech Engr Lab Mechatronics HSS Elective 3 ³	credits (3) (3) (3) (4) (3) (16)
MAE 3310 MAE 3710	Aerospace Structures Mechanical Systems Experimental Methods Lab Math/Science 2 Elective ¹ Unrestricted Elective 1 Total	(3) (3) (3) (3) (18)	MAE 3620 MAE 3840	Machine Elements Mech Engr Lab Mechatronics HSS Elective 3 ³ Total	(3) (3) (3) (4) (3) (16)
MAE 3310 MAE 3710 MAE 3810	Aerospace Structures Mechanical Systems Experimental Methods Lab Math/Science 2 Elective ¹ Unrestricted Elective 1 Total	(3) (3) (3) (3) (3)	MAE 3620 MAE 3840 MAE 4710	Machine Elements Mech Engr Lab Mechatronics HSS Elective 3 ³ Total	(3) (3) (3) (4) (3)

^{1.} Curriculum requirements and a list of approved Math/Science/Technical Electives, Science1Electives and Math/Science 2 Electives are available on the MAE web page.

http://www.seas.virginia.edu/undergrad/orientation/pdfs/electives_single.pdf

(03/28/2016 KT)

^{2.} Approved Design electives: MAE: 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700

^{3.} Approved HSS electives are found on the SEAS web page: