

Mechanical Engineering Curriculum					
First Year see Common First-Year Curriculum in Engineering					
First Semester		Credits	Second Semester		Credits
MS/ AS	Military Science/ Aerospace Studies (if elected)	1	MS/ AS	Military Science/ Aerospace Studies (if elected)	1
Third Semester		Credits	Fourth Semester		Credits
ES 220	Statistics	3	ES 222	Strength of Materials	3
ES 250	Electrical Science	3	ES 223	Rigid Body Dynamics	3
ES 260	Materials Science	3	ME 212	Into. To Engineering Design	3
MA 232	Elem. Differ Equations	3	ME 201	Mech. Engineer Lab I	1
	KA/ UC Elective	3	MA 231	Calculus III	3
				KA Elective	3
Total		15	Total		16
Fifth Semester		Credits	Sixth Semester		Credits
ES 330	Fluid Mechanics	3	ME 310/ ME 455	Thermodynamics Sys. Eng Mechanical Vibration and Control	3
ES 340	Thermodynamics	3	ME 326	Intermediate Fluid Mechanics	3
MA 330*	Adv. Engineer. Math*	3	ME 341	Mech. Of Machine Elements	3
ME 301	Mech. Engineer. Lab II	1	ME 401	Mech. Engineer. Lab III	1
ME 342	Intro. Numerical Methods	3	ME 445	Integrated Design I	3
	KA/ UC Elective	3		Professional 1 Elective	3
Total		16	Total		16
Seventh Semester		Credits	Eighth Semester		Credits
ME 411	Intro. to Heat Transfer	3		Professional Elective	3
ME 446	Integrated Design II	3		Professional Electives	3
ME 324	Dynamical Systems	3		Economic Elective	3
	AE, ES, or ME Professional Elective	3		Undesignated Elective	3
	Undesignated Elective	3	ES 499	Professional Experience	
Total		15	Total		12

*Students can alternatively take MA 331 and (STAT 383 or STAT 389)