

Mechanical Engineering Grade Checklist

	Course	CR	GR	Term/ Year Taken		Course	CR	GR	Term/ Year Taken
General Education					Required Engineering				
5540	Phys. Ed.	0.5			4300:201	Statics	3		
5540	Phys. Ed.	0.5			4300:202	Intro: Mechanics of Solids	3		
7600:105	Intro to Public Speaking –or–	3			4400:320	Basic Electrical Engineering	4		
7600:106	Effective Oral Communication				4600:165	Tools for Mechanical Engineering	3		
3300:111	English Composition I	3			4600:203	Dynamics	3		
3300:112	English Composition II	3			4600:260	Engineering Analysis I	2		
	Social Science Elective ¹	3			4600:300	Thermodynamics I	3		
3400:210	Humanities in Western Tradition I	4			4600:301	Thermodynamics II	2		
	Humanities Electives I ²	3			4600:310	Fluid Mechanics I	2		
	Humanities Electives II ²	3			4600:311	Fluid Mechanics II	3		
3250:244	Intro to Economic Analysis (Soc. Sci.)	3			4600:315	Heat Transfer	3		
	Area Studies & Cultural Diversity ³	2			4600:321	Kinematics of Machines	2		
Total General Education		28			4600:336	Analysis of Mechanical Components	3		
					4600:337	Design of Mechanical Components	3		
					4600:340	System Dynamics and Response	3		
					4600:360	Engineering Analysis II	2		
					4600:380	Mechanical Metallurgy	2		
					4600:400	Thermal Systems Components	3		
					4600:402	Senior Seminar	1		
					4600:431	Fund. of Mechanical Vibrations	3		
					4600:441	Control System Design	3		
					4600: 460	Concepts of Design	3		
					4600: 461	ME Senior Design Project I	2		
					4600: 471	ME Senior Design Project II	2		
					4600: 483	Measurements Lab	2		
					4600: 484	Measurements Engineering Lab	2		
Total Required Engineering							67		
					Approved Electives				
3450:223	Analytical Geometry & Calculus III	4			Mechanical Engineering Design Elective			3	
3450:335	Differential Equations	3			Technical Elective			3	
3470:401	Probabilities of Statistics	2			Mechanical Engineering Technical Elective			3	
3650:291	Elemental Classical Physics I	4							
3650:292	Elemental Classical Physics II	4							
Total Math/Natural Science		32			Total Electives			9	
TOTAL:							136		

¹ Social Science Sets 2-7 (see bulletin)

² Humanities Sets 1-4 (see bulletin)

³ Engineering students select one course (see bulletin)