Appendix H

Five-Year Example Plan of Study

YEAR 1		YEAR 2	
Course	CR	Course	CR
ENGR 12700 Engineering Fund I	4	MA 26100 Multivariate Calculus	4
MA 16500 Calculus and Analytic Geometry I	4	MA 35100 Elementary Linear Algebra	3
CMH 11500 General Chemistry	4	PHYS 25100 Heat, Electricity, and Optics	5
ENG W13100 Elementary Composition	3	ME 25000 Statics	3
ENGR 12800 Engineering Fund II	4	CS 22700 C & C++ Programming for Engineers	2
ME 16000 Solid Modeling	2	MA 36300 Differential Equations	3
MA 16600 Calculus and Anal Geometry II	4	ME 20000 Thermodynamics I	3
PHYS 15200 Mechanics	5	ME 25100 Dynamics	3
COM 11400 Fundamentals of Speech	3	ME 25200 Strength of Materials	3
		ECE 20100 Linear Circuit Analysis I	3
YEAR 3		**YEAR 4**	
ME 29300 Measurement & Instrumentation	2	ME 32200 Heat Transfer Lab	1
ME 30300 Materials Science & Engineering	2	ME 48700 Senior Design Project I	3
ME 31800 Fluid Mechanics	3	General Education Elective (Category B.5)	3
ME 33100 System Dynamics	3	Technical Elective	3
ME 36100 Kinematics & Dynamics of Mach	3	ME 55000 Advanced Stress Analysis	3
ME 30100 Thermodynamics II	3	ME 48800 Senior Design Project II	3
ME 30400 Mechanics and Materials Lab	1	General Education Elective (Category B.6)	3
ME 31900 Fluid Mechanics Lab	1	General Education Elective (Category B.7)	3
ME 32100 Heat Transfer	3	ME 54500 Finite Element Analysis: Advanced Theory & Applications	3
ME 33300 Automatic Control Systems	3	STAT 51100 Statistical Methods	3
ME 36900 Design of Machine Elements	3		
YEAR 5			
ME 54600 CAD/CAM Theory and Advanced Applications	3		
SE 52000 Engineering Economics	3		
ENGR 59500 Modeling and Simulation of Mechanical Engineering Systems	3		
SE 55000 Advanced Manufacturing Systems and Processes	3		
MA 51100 Linear Algebra	3		
ENGR 69800 MSE Thesis	3		
ENGR 69800 MSE Thesis	3		