MECHANICAL ENGINEERING PROGRAM (2022 - 2023)

Fall of First Year (16 credits)			**Spring of First Year (16 credits)**		
CHEM 1210	Principles of Chemistry	4	ENGL 2010	Intermediate Writing	3
CHEM 1215	Principles of Chemistry Lab	1	EGDT 1071	3-Dimensional Modeling - Solidworks	3
ENGL 1010	Introduction to Writing	3	MATH 1220	Calculus II	4
ENGR 1000	Introduction to Engineering	3	PHYS 2210	Physics for Scientists and Engineers	4
MATH 1210	Calculus I (May require pre-requisite)	4	PHYS 2215	Physics for Scientists and Engineers Lab	1
Fall of Second Year (17 credits)			**Spring of Second Year (15 credits)**		
ENGR 2010	Engineering Statics	3	ECE 2210	Fundamentals of Electric Circuit Analysis	3
ENGR 2160	Introduction to Materials Science and Engineering	3	ENGR 2030	Engineering Dynamics	3
Health	HLTH 1100 or PES 1097	2	ENGR 2140	Mechanics of Materials	3
MATH 2250	Differential Equations and Linear Algebra	4	ENGR 2450	Computational Methods for Engineering Analysis	3
PHYS 2220	Physics for Scientists and Engineers II	4	MATH 2210	Calculus III	4
PHYS 2225	Physics for Scientists and Engineers II Lab	1			
Fall of Third Year (15 credits)			**Spring of Third Year (14 credits)**		
Biology	Choose from the GE approved Biology list	3	COMM 1020	Public Speaking	3
ENGR 2300	Engineering Thermodynamics	3	ME 3210	Manufacturing Processes for Engineers	3
ME 3010	Linear Systems	3	ME 3320	Heat Transfer	3
ME 3140	Machine Design	3	ME 3335	Thermal/Fluid Experimentation	2
ME 3310	Fluid Mechanics	3	ME xxxx	Elective	3
Fall of Fourth Year (16 credits)			**Spring of Fourth Year (17 credits)**		
Fine Arts	Choose from the GE approved Fine Arts list	3	Am. Institution	Choose from the GE approved American Institution list	3
ME 4010	Automatic Controls	3	COMM 2110	Interpersonal Communications	3
ME 4410	Computer Aided Engineering	3	ME 4015	Control and Vibration Experimentation	2
ME 4510	Mechanical Engineering Seminar	1	ME 4820	Capstone II	3
ME 4810	Capstone I	3	ME xxxx	4000 level Elective	3
ME xxxx	Technical Elective/ME Elective	3	PHIL 2050	Ethics and Values	3