Mechanical Engineering Emphasis Outline

Fall Semester			Spring Semester		
Freshman					
ENGR120	Intro to Engineering & Design	2	ENGR180	Material Science	4
ENGR125	Engineering Graphics	3	MATH192	Calculus II	4
Math191	Calculus I	4	ENGR185	Engineering Statics	3
CHEM131	General Chemistry I	4	RELT100	God & Human Life	3
ENGL115	College Writing I	3	COMM104	Communication Skills	3
HLED120/F	Fit for Life/Fitness Activity	1			
		17			17
Sophomore					
ENGR225	Circuit Analysis	3	ENGR285	Engineering Dynamics	3
PHYS241/2	Physics for Scientists I	5	ENGR275	Electronics I	3
MATH240	Calculus III	4	PHYS242/2	Physics for Scientists II	5
ENGL220/E	Tech Writing/College Writing II	3	CPTR151	Computer Science I	3
FTES	Physical Fitness Activity	1	MATH286	Differential equations	3
		16			17
Junior					
MATH215	Linear Algebra	3	ENGR310	Linear Systems Analysis	3
ENGR320	Manufacturing Processes	3	STAT340	Probability/Statistical Ap	3
ENGR 330	Thermodynamics	3	ENGRXXX	Electric Motors	1
ENGR340	Mechanics of Materials	3	ENGR360	Fluid Dynamics	3
GEN ED	Social Sciences	3	ENGR390	Engineering Measurements	4
GEN ED	History	3	RELT340	Religion & Ethics	3
		18			17
Senior					
ENGR491	Review of Engineering Design	1	ENGR492	Senior Design Project	3
ENGR450	Engineering Economy	2	GEN ED	Religion (RELB, RELG,RELT)	3
ENGR410	Feedback Control Systems	4	ENGR440	Heat & Mass Transfer	3
ENGR420	Machine Design	3	GEN ED	Arts/Humanities	3
GEN ED	Religion (RELB,RELG,RELT)	3	ENGR	ENGR Elective	3
ENGR	ENGR Elective	3	ENGR485	Community Service	2
		16			17

Suggested 4-year course outline per Bulletin 2019-2020

Total Credits for Graduation 135