

## Mechanical Engineering Concentration Outline

Fall Semester			Spring Semester		
Freshman					
ENGR120	Intro to Engineering & Design	2	ENGR180	Material Science (CHEM131)	4
ENGR125	Engineering Graphics	3	MATH192	Calculus II (MATH191 or MATH195)	4
Math191	Calculus I (P5 or MATH167 or MATH168 with grade no lower than C)	4	ENGR185	Engineering Statics (MATH191)	3
CHEM131	General Chemistry I (P3, MATH165,	4	RELT100	God & Human Life	3
ENGL115	College Writing I	3	COMM104	Communication Skills	3
HLED120/F	Fit for Life/Fitness Activity	1			
		<u>17</u>			<u>17</u>
Sophomore					
ENGR225	Circuits I		5		ENGR275
4	PHYS242/2	Physics for Scientists II (MATH 192 and PHYS 241, Co: PHYS272)	5		
	E Tech Writing/College Writing II (ENGL115 or ENGL117)	3	CPTR151	Computer Science I	3
FTES	Physical Fitness Activity	1	MATH286	Differential equations (MATH192)	3
		<u>16</u>			<u>17</u>
Ju					3
ENGR320	Manufacturing Processes (ENGR180)	3	STAT340	Probability/Statistical Ap (MATH	3
ENGR 330	Thermodynamics (PHYS241)	3	ENGR391	Electric Motors (ENGR275)	1
ENGR340	Mechanics of Materials (ENGR185)	3	ENGR360	Fluid Dynamics (ENGR285, ENGR330, MATH286)	3
GEN ED	Social Sciences	3	ENGR390	Engineering Measurements (ENGR330, ENGR340)	4
GEN ED	History	3	RELT340	Religion & Ethics	3
		<u>18</u>			<u>17</u>

