

# Mechanical Engineering

Fall 2023

<b>Freshman Year</b>					
Fall Semester		Spring Semester			Total Cr.
ENGR 100 - Seminar 1	1	MECH 100 - Engineering Graphics	3		
ENGR 110 - Modeling & Simulation	3	MAT 212 - Calculus 2	4		
MAT 211 - Calculus 1	4	PHY 206 / 126 - Physics 2 & Lab	4		
PHY 205 / 124 - Physics 1 & Lab	4	ENG 114 - WIFYS	3		
UNIV 101 - First Year Seminar	3	(GenEd - I1)	3		
	<b>15</b>		<b>17</b>		32

<b>Sophomore Year</b>					
MECH 200 - Statics	3	MECH 210 - Dynamics	4		
ENGR 200 - Seminar 2	1	MECH 230 - Mechanics of Materials	4		
MAT 322 - Differential Equations	3	CHM 122 / 126 - Chemical Dynamics	4		
CHM 121 / 125 - Chemical Bonding & Lab	4	MAT 375 - Prob & Statistics for Engineers	4		
HIS 105 - History 1	3				
HCS 100 - Human Communications	3				
	<b>17</b>		<b>16</b>		65

<b>Junior Year</b>					
MECH220 - Fluid Mechanics	4	MECH 310 - Manufacturing Processes	4		
MECH300 - Engineering Materials	3	ELEC 220 - Linear Circuit Analysis	4		
MECH320 - Machine Dynamics	4	ENGR 120 - Programming for Engineers	3		
ENGR300 - Engineering Seminar 3	1	Engineering Elective	3		
ENGR310 - Statistical Process Control (Odd AY) / Gened (1 of 7) (Even AY)	3				
	<b>15</b>		<b>14</b>		94

<b>Senior Year</b>					
MECH 410 - Thermo & Heat Transfer	4	MECH 420 - Machine Design	3		
ENGR 310 - Statistical Process Control (Odd AY) / Gened (1 of 7) (Even AY)	3	MECH 450 - Thermo & Heat Transfer	3		
ECO 101 - Principles of Economics	3	CMPE 499 - Engineering Capstone	2		
(GenEd - I2)	3	(GenEd - I3)	3		
Engineering Elective	3	(GenEd - CE2)	3		
	<b>16</b>		<b>14</b>		<b>124</b>