

Mechanical Engineering

Fall 2019 / UCC 18-XXX

Freshman Year				
Fall Semester		Spring Semester		Total Cr.
ENGR100 - Seminar 1	1	MECH100 - Engineering Graphics	3	
ENGR110 - Modeling & Simulation	3	MAT212 - Calculus 2	4	
MAT211 - Calculus 1	4	PHY206 / 126 - Physics 2 & Lab	4	
PHY205 / 125 - Physics 1 & Lab	4	ENG114 - WIFYS	3	
UNIV101 - First Year Seminar	3			
	15		14	29

Sophomore Year				
MECH200 - Statics	3	MECH210 - Dynamics	4	
ENGR200 - Seminar 2	1	MECH230 - Mechanics of Materials	4	
MAT322 - Differential Equations	3	CHM122 / 126 - Chemical Dynamics	4	
CHM121 / 125 - Chemical Bonding & Lab	4	MAT375 - Prob & Statistics for Engineers	4	
HIS105 - History 1	3			
HCS100 - Human Communications	3			
	17		16	62

Junior Year				
MECH220 - Fluid Mechanics	4	MECH310 - Manufacturing Processes	4	
MECH300 - Engineering Materials	3	ELEC220 - Linear Circuit Analysis	4	
MECH320 - Machine Dynamics	4	ENGR120 - Programming for Engineers	3	
ENGR300 - Seminar 3	1	General Education (3 of 7)	3	
ENGR310 - Statistical Process Control (Odd AY) / Gened (1 of 7) (Even AY)	3	Engr Elective OR General Education (4 of 7)	3	
	15		17	94

Senior Year				
MECH410 - Thermo & Heat Transfer	4	MECH420 - Machine Design	4	
ENGR310 - Statistical Process Control (Odd AY) / Gened (1 of 7) (Even AY)	3	MECH450 - Thermo & Heat Transfer	3	
MAT318 - Elementary Linear Algebra	3	CMPE499 - Engineering Capstone	2	
Engr Elective OR General Education (4 of 7)	3	General Education (6 of 7)	3	
General Education (5 of 7)	3	General Education (7 of 7)	3	
	16		15	125