

B.S. in Engineering - Specialization in Mechanical Engineering

8 Semester Plan

Total for Degree: 126 Credit Hours

YEAR 1						
FALL Semester			SPRING Semester			
Semester 1			Semester 2			
ENGL 101	Composition (C1)	3	ENGR 132	Engineering Graphics		3
CHEM 139	General Chemistry (C5)	4	ENGR 199	Intro. Eng/Prac/Prin. I		3
MATH 153	Calculus I (C2)	4	MATH 255	Calculus II		4
	Wellness (C4)	3	PHYS 230	General Physics I (C5)		4
	Perspective	3	COMM 201	Communications (C3)		3
		Total			Total	17
		17				17
YEAR 2						
FALL Semester			SPRING Semester			
Semester 3			Semester 4			
ENGR 200	Eng/Prac/Prin. II	3	EE 200	Computer Utilization		3
ENGR 201	Engineering Mechanics: Statics	3	ENGR 202	Mechanics of Materials		3
ME 231	3D Solid Modeling	3	ENGR 211	Materials Science		3
MATH 320	Ord. Diff. Equations	3	ENGL 202	Composition II (C1)		3
PHYS 231	General Physics II	4	MATH 256	Calculus III		4
			ME 211	ME Lab I		1
		Total			Total	17
		16				17
YEAR 3						
FALL Semester			SPRING Semester			
Semester 5			Semester 6			
ENGR 315	Electrical Engineering Fundamentals	3	ENGR 352	Thermodynamics/Heat Transfer		3
ENGR 331	Design for Manufacturing	3	ENGR 350	Eng/Prac/Prin. III		3
ME 301	Engineering Mechanics: Dynamics	3	ME 302	Design of Machine Elements I		3
ME 311	ME Lab II	1	ME 312	ME Lab III		1
ME 321	Fluid Dynamics	3	ME 332	Measurement and Instrumentation		3
MATH 370	Probability and Statistics I	3		Perspective		3
		Total			Total	16
		16				16
YEAR 4						
FALL Semester			SPRING Semester			
Semester 7			Semester 8			
ENGR 400	Engineering Capstone I	3	ENGR 450	Engineering Capstone II		3
ME 401	Design of Machine Elements II	3	ME 402	System Dynamics and Control		3
ENGR 411	Engineering Numerical Analysis	3		Perspective		3
	Perspective	3		UL Perspective		3
	Perspective	3				
		Total			Total	12
		15				12
					Program Total	126