

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING CURRICULUM SHEET

FRESHMAN (34)

FALL			SPRING		
ENCP A101	Introduction to Engineering I	3	ENCP A102	Introduction to Engineering II	3
CHEM A111	General Chemistry I & Lab	4	CSCI A125	Intro to Computer Science	3
ENGL A101	Critical Reading & Comp.	3	ENGL A102	Rhetoric & Composition	3
MATH A141	Calculus I	4	MATH A142	Calculus II	4
GEN ED	Humanities	3	ENCP A301	Intro to Numerical Methods	3
			ENCP A300	Engineering Seminar	1
		17			17

SOPHOMORE (34)

FALL			SPRING		
ENCP A200	Statics	3	ENCP A290	Thermodynamics Fund.	3
MATH A344	Linear Algebra for CS & Engr	3	ENCP A260	Intro. to Mechanics of Solids	3
MATH A241	Vector Calculus	4	MATH A242	Elem. Differential Equations	4
PHYS A211	Essentials of Physics I & lab	4	PHYS A212	Essentials of Physics II & lab	4
COMM A241	Public Speaking	3	ENGL A462	Technical Writing	3
		17			17

JUNIOR (30)

FALL			SPRING		
ENCP A361	Instrumentation, Meas, Stats	3	ENCP A327	Design of Mech. Elements	3
ENCP A361L	Instrumentation, Meas, Stats Lab	1	ENCP A377	Manufacturing Processes	3
ENCP A371	Engineering Materials	3	ENCP A310	Dynamics	3
ENCP A360	Fluids	3	ENCP A354	Heat Transfer	3
ELCT A221	Circuits	3	ENCP A354L	Heat Transfer Lab	1
GEN ED	Global Cultures	3	ENCP A300	Engineering Seminar	1
		16			14

SENIOR (30)

FALL			SPRING		
ENCP A498	Senior Capstone I	3	ENCP A499	Senior Capstone II	3
ENCP A368	Mechatronics	3	TECH ELEC	Technical Elective	3
ENCP A332	Kinematics	3	GEN ED	Humanities	3
TECH ELEC	Technical Elective	3	GEN ED	API	3
GEN ED	Soc/Behav	3	PHIL A325	Engineering Ethics	3
		15			15

ADDITIONAL REQUIREMENTS

One 3-Credit Non-Western World Studies Course

TECHNICAL ELECTIVES

Any ENCP course (A300 or higher not required by major), any CSCI course (A145 or higher not required by major), any MATH course (A300 or higher not required by major), STAT A509, or any department approved course.