

First Year

1st Semester (17 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A101	Introduction to Engineering I	3	ENGL A102*	Composition and Literature	3
CHEM A111	General Chemistry I & Lab	4	ENCP A102	Introduction to Engineering II	3
ENGL A101*	Composition	3	CSCI A125	Introduction to Computer Science	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

Second Year

1st Semester (17 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
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

Third Year

1st Semester (16 hrs)			2nd Semester (14 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A361	Instrumentation, Meas, Stats	3	ENCP A327	Design of Mech. Elements	3
ENCP A361L	Instrumentation, Meas, Stats	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

Fourth Year

1st Semester (15 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
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

*Must earn a C or better.