



First Year

1st Semester (17 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
ENGL A101*	Composition	3	ENGL A102*	Composition and Literature	3
ENCP A101	Introduction to Engineering I	3	ENCP A102	Introduction to Engineering II	3
CHEM A111	General Chemistry I & Lab	4	CHEM A112	General Chemistry II & Lab	4
MATH A141	Calculus I	4	MATH A142	Calculus II	4
GEN ED	Humanities	3	ECON A221/222	Micro/Macro Economics	3

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
ELCT A221	Circuits	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	Public Speaking	3	STAT A509	Statistics for Engineers	3

Third Year

1st Semester (16 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A361	Instrumentation, Meas, Stats	3	ENCP A334	Quality Control & Planning	3
ENCP A361L	Instrumentation, Meas, Stats	1	ENCP A327	Design of Mech. Elements	3
ENCP A371	Engineering Materials	3	ENCP A310	Dynamics	3
ENCP A360	Fluids	3	MGSC A494	Project Management	3
ENCP A316	Control Systems	3	GEN ED	Humanities	3
BADM A371	Principles of Management	3			

Fourth Year

1st Semester (15 hrs)			2nd Semester (12 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A380	Systems Engineering	3	ENCP A421	Engineering Economics	3
ENCP A498	Senior Capstone I	3	ENCP A499	Senior Capstone II	3
TECH ELEC	Technical Elective	3	PHIL A325	Engineering Ethics	3
GEN ED	Global Cultures	3	TECH ELEC	Technical Elective	3
GEN ED	API	3			

*Must earn a C or better.