

First Year

1st Semester (17 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A101^	Introduction to Engineering I	3	ENCP A102*	Introduction to Engineering II	3
ENGL A101	Composition	3	ENGL A102	Composition and Literature	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	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
ELCT A221	Electrical Circuits I	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 A201 or COMM A241	GEN ED: Oral Communications	3	STAT A509	Statistics for Engineers	3

Third Year

1st Semester (15 hrs)			2nd Semester (16 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A361^	Instrumentation, Meas, Stats	3	ENCP A334*	Quality Control & Planning	3
ENCP A371^	Engineering Materials Lab	3	ENCP A327*	Design of Mech. Elements	3
ENCP A360^	Fluids	3	ENCP A310*	Dynamics	3
ENCP A316^/A368^	Control Systems/Mechatronics	3	ENCP A300*	Engineering Seminar	1
BADM A371	Principles of Management	3	MGSC A494	Project Management	3
			HIST A101/A102	GEN ED Global Cultures	3

Fourth Year

1st Semester (15 hrs)			2nd Semester (15 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 ELECT	Technical Elective	3	PHIL A325	Engineering Ethics	3
GEN ED	Humanities	3	TECH ELECT	Technical Elective	3
ECON A221/A222	Micro/Macro Economics	3	POLI A201 or HIST A201/A202	GEN ED: American Political Institutions	3

^Fall only *Spring only

Course frequency notes are subject change and do not include courses managed by other departments