

First Year

1st Semester (17 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A101^	Introduction to Engineering I	3	ENCP A102*	Introduction to Engineering II	3
CHEM A111	General Chemistry I & Lab	4	ENGL A102	Composition and Literature	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	POLI A201 or HIST A201/A202	GEN ED: American Political Institutions	3

Third Year

1st Semester (15 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 A371^	Engineering Materials	3	ENCP A377*	Manufacturing Processes	3
ENCP A360^	Fluids	3	ENCP A310*	Dynamics	3
ELCT A221	Electrical Circuits I	3	ENCP A354*	Heat Transfer	3
HIST A101/A102	GEN ED Global Cultures	3	ENCP A354L*	Heat Transfer Lab	1
			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 ELECT	Technical Elective	3
ENCP A332^	Kinematics	3	GEN ED	Humanities	3
TECH ELECT	Technical Elective	3	ENCP A421*	Engineering Economics	3
ECON A221/A222	Micro/Macro Economics	3	PHIL A325	Engineering Ethics	3

^Fall only *Spring only

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