

First Year					
1st Semester (17 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
ELCT A101	Intro. to Electrical Engineering I	3	ELCT A202	Intro. to Electrical Engineering II	3
ENGL A101	Composition	3	MATH A344	Linear Algebra for CS and Engr.	3
CHEM A111	General Chemistry I & Lab	4	ENGL A102	Composition and Literature	3
MATH A141	Calculus I	4	MATH A142	Calculus II	4
CSCI A125	Intro. to Computer Science	3	ENCP A300	Engineering Seminar	1
			GEN ED	Humanities	3
Second Year					
1st Semester (17 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A220	Mechanical Engr. Fundamentals	3	ELCT A244	Electrical Circuits II	3
ELCT A221	Electrical Circuits I	3	ELCT A244L	Electrical Circuits II Lab	1
MATH A241	Vector Calculus	4	MATH A242	Elem. Differential Equations	4
PHYS A211^	Essentials of Physics I	4	PHYS A212*	Essentials of Physics II	4
COMM A241	Public Speaking	3	STAT A509*	Statistics for Engineers	3
Third Year					
1st Semester (16 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
ENCP A368^	Mechatronics	3	ELCT A342	Signals and Systems	3
ELCT A320	Electronic Devices	3	ELCT A310	Digital Logic Design	3
ELCT A302L	Electronic Devices Lab	1	ELCT A329	Microprocessors/Controllers	3
ELCT A348	Electromagnetic Fields	3	ELCT A329L	Microprocessors/Controllers Lab	1
MATH A174	Discrete Mathematics	3	ELCT A346	Electrical Power Systems	3
HIST A101/A102	GEN ED Global Cultures	3	ENGL A462	Technical Writing	3
			ENCP A300*	Engineering Seminar	1
Fourth Year					
1st Semester (15 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
ELCT A498^	Senior Capstone I	3	ELCT A499*	Senior Capstone II	3
ELCT A434	Power Electronics	3	TECH ELECT	Technical Elective	3
ELCT A412	Communication Systems	3	GEN ED	Humanities	3
TECH ELECT	Technical Elective	3	POLI A201 HIST A201/A202	GEN ED American Political Institutions	3
GEN ED	ECON A221 or A222	3	PHIL A325*	Engineering Ethics	3

^Fall only *Spring only Course frequency notes are subject to change and do not include courses managed by other departments.