

First Year

1st Semester (17 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
ELCT A101^	Introduction to Elect Engr I	3	ELCT A102*	Introduction to Elect Engr II	3
ENGL A101	Composition	3	MATH A344	Linear Algebra for CS & 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 A222*	Electrical Circuits II	3
ELCT A221	Electrical Circuits I	3	ELCT A222L*	Electrical Circuits II Lab	1
MATH A241	Calculus III	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	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 A320L^	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	ENCP A300*	Engineering Seminar	1
			GEN ED	Humanities	3

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	ENCP A421*	Engineering Economics	3
ECON A221/A222	Micro/Macro Economics	3	POLI A201 or HIST A201/A202	GEN ED: American Political Institutions	3
TECH ELECT	Technical Elective	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