Advisor:
Printed:

ELECTRICAL ENGINEERING - General Option (128 hours)

Effective Fall 2022 (www.ece.ksu.edu)

DOE:
Class:
Flowchart: 89
Hours:

FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
ENGL 100 (3) Expo Writ 1	ECON 110 (3) Macroeconomics	CHE 354 (1) Basic Materials PR: CHM 210** PR/conc: PHYS 213**		H & SS (3) b.	H & SS (3) b.		H&SS (3) b.
ECE 015 (0) New Student Assem	ECE 115 (1) New Student Dsn Proj	CHE 356 (1) Electronic Materials PR: CHE 354**	STAT 510 (3) Prob & Stat PR: MATH 221**	ECE 557 (4) EM Theory 1 PR: ECE 410** PR: MATH 222** PR: PHYS 214**	ENGL 415 (3) Writ Comm PR: ENGL 100**	ECE 590 (3) Senior Design Exp I PR: ECE 511**, 525**, 540** PR: ENGL 415**	ECE 591 (2) Senior Design Exp II PR: ECE 590
MATH 220 (4) Calculus 1	MATH 221 (4) Calculus 2 PR: MATH 220**	MATH 340 (4) Diff Eq PR: MATH 221**	MATH 222 (4) Calculus 3 PR: MATH 221**	ECE 540 (3) App Sci Comp PR: STAT 510** PR: CIS 209** or CIS 200**	Tech Elec (3) a.	Tech Elec (9) a.	Tech Elec (9) a.
COMM 105 (2) Public Spkg	PHYS 213 (5) Engg Physics 1 PR/Conc: MATH 221**	PHYS 214 (5) Engg Phys II PR: PHYS 213** PR: MATH 221**	CIS 209 (3) C Prog for Engg PR: MATH 220**		ECE 502 (2) Electronics Lab PR: ECE 511** PR/Conc: ECE 526**		
ECE 210 (3) Intro to EE PR/Conc: MATH 220**		ECE 410 (3) Cir Thry I PR: MATH 221** PR: ECE 210**	ECE 511 (3) Cir Thry II PR: ECE 410** PR: MATH 340**	ECE 431 (3) Microcontrollers PR: ECE 241** PR: CIS 200 or 209**	ECE 512 (3) Linear Sys PR: ECE 511** PR: ECE 540**	ECE 530 (3) Cont Sys Des PR: MATH 340** PR: ECE 512**	
CHM 210 (4) Chem I	CHM 230 (4) or BIOL 198	ECE 241 (3) Int Cmp Engg	ECE 525 (3) Electronics 1 PR: ECE 410** or 519**	ECE 526 (3) Electronics 2 PR: ECE 511** PR: ECE 525**	ECE 581 (3) Eng Conv 1 PR: ECE 410** or 519**		

NOTE: PREREQUISITES ARE SHOWN IN THE COURSE BLOCK.
a. Technical electives must be selected to complete one of the areas of emphasis. Technical Electives must come from the approved ECE Technical Electives List.
b. Humanities and Social Science (H & SS) electrives must be selected from the list of courses approved by the College of Engineering.
Students should select these courses as needed to complete the requirements for the K-State 8 Gen Ed Pgm.

** Denotes C or better must be earned in prerequisite course

Currently Enrolled Passed Retaken Failed Warning