

Name: _____ Phone: _____ New to OSU: _____

email: _____@ osu.edu

YEAR	AUTUMN	WINTER	SPRING
1	Math 151.0X (Calc & Analyc Geom) 5____ Chem 121 (Gen Chem).....5____ Engr 181.01 (Intro to Engr I).....3____ Engr 100.06 (Engr Survey)1____	Math 152.0X (Calc & Analyc Geom) 5____ Physics 131 ((Partcls & Motion) 5____ Engr 183.0X (Intro to Engr II) 3____	Math 153.0X (Calc & Analyc Geom) 5____ Physics 132 (Electrcy & Magnetsm) 5____ EnGraph167 or CS&E 202.... 4____ (Prob Slv Prog Engr or Intro Prog and Algor Engr)
2	Math 254 (Calc & Analyc Geom)5____ Physics 133 (Electrdynmc & Quant) .5____ ECE 261 (Intro to Logic Design).....3____	Math 415 (Ord & Part Diff Equ) 4____ ECE 205 (Circuit Analysis) 3____ ECE 206 (Switching Circuits Lab) ... 1____ ECE 265 (Intro Micro-Based Sys) ... 3____	Math 571 [†] (Linear Algebra Apps I) or 568 (Intro Linear Algebra).....3____ ECE 209 (Circuits & Electronics Lab)....2____ ECE 301 (Anlyns& Dsgn in Circ & Elect)...3____ ECE 341 (Energy Conversion).....3____
3	Stat 427 or Math 5303____ ECE 323 (Elect Anlys, Dsgn & Sim) .3____ ECE 351 (Systems I)3____	ECE 311 (Electromagnetics I)..... 3____ ECE 331 (Intro Matls for EE)..... 3____ ECE 352 (Systems II) 3____	ECE 312 (Electromagnetics II) 3____ ECE 432 (Semicond Devices) 3____
4	ECE 481 (Prof Aspects ECE).....1____	Ind Eng 504 (Engr Econ Anlys)..... 3____	ECE 682 (Organized Group Project II) or 683 (Special Group Project II) 3____

[†]Preferred

GENERAL EDUCATION (38 hrs)
English & Communication Skills (13)

English 110.0X (5)____
2nd writing Course (5)____
ECE 582 (Design I) (3)____

Students must take 25 hours across Social Sciences, Historical Study, and Arts & Humanities with a minimum of 5 hours and maximum of 10 hours per category.

Historical Study (5-10)
_____()____
_____()____

Arts & Humanities (5-10)
_____()____
_____()____

Social Sciences (5-10)
_____()____
_____()____

Social Diversity
(May overlap with another GEC Category)
_____()____

GENERAL EDUCATION (cont'd)

Ethics (5)
(May overlap with another GEC Category)
_____()____
ADMISSION CONDITION (if applicable)
_____()____

SELECTED CORE AND TECHNICAL ELECTIVES
Selected Core (3-9 hrs) and Technical Electives (43-49 hrs) must total at least 52 credit hours.

- Technical electives (43-49 hrs)
- At least 37 hours of Technical Electives must be ECE (Leaves up to 15 hours outside ECE, including "Selected Core" list at right); and
 - Must take a concentration of 11 hours in one of the areas of ECE (must include at least one 700-level course); and
 - Must take either: A second concentration of 11 hours in another of the areas of ECE (with at least one 700-level course), or additional concentrations of five hours in each of two areas; and
 - At least 7 hours of technical electives must be ECE labs.
- (See ECE Advisor for list of TE courses and their areas of concentration.)

Selected Core (3-9 hrs)

A **minimum** of 3 hours (maximum of 9 hours) **MUST** be from this list:

Bio 113 (5), Chem 122 (5) or 125 (4), Chem 231 or 251 (3), Earth Sci 121 (5), Math 512 (3), Math 513 (3), Math 514 (3), Math 366 (3), ME 250 (4) or CS&E 541 (3), CS&E 230 (4), ME 410 (4), ME 430 (4), ME 420 (4), MSE 401 or ME 500 (4)

_____()____
_____()____
_____()____

TOTAL ()

Please see your advisor on a regular basis to shape a personalized schedule of courses that will permit you to make full progress toward the degree in the most effective way possible for you.

To be accepted into the Electrical and Computer Engineering major, students must successfully complete English 110.0X and the required pre-major courses which comprise the secondary point-hour ratio (SPHR): Chemistry 121; Engineering 181.01, 183.0X; En Graph 167 or CS&E 202; Math 151.0X, 152.0X, 153.0X, 254.0X; Physics 131, 132, & 133; or their equivalents. If a student is placed in CS&E 221 from the Placement Test and has not completed EnGraph 167 or CS&E 202 for a grade, then CS&E 221 is included. These students with a CPHR of 3.0 or better are admitted to the major. For students with a minimum CPHR of 2.0 we will base further admission by SPHR. At this time our statistics show that for this year, admitting all students with an SPHR of 2.0 and higher causes our enrollment limit (230 students per year) to be reached. The admission SPHR may be adjusted in the future; however, it will not be lowered to less than 2.0 even if the limit is not reached.