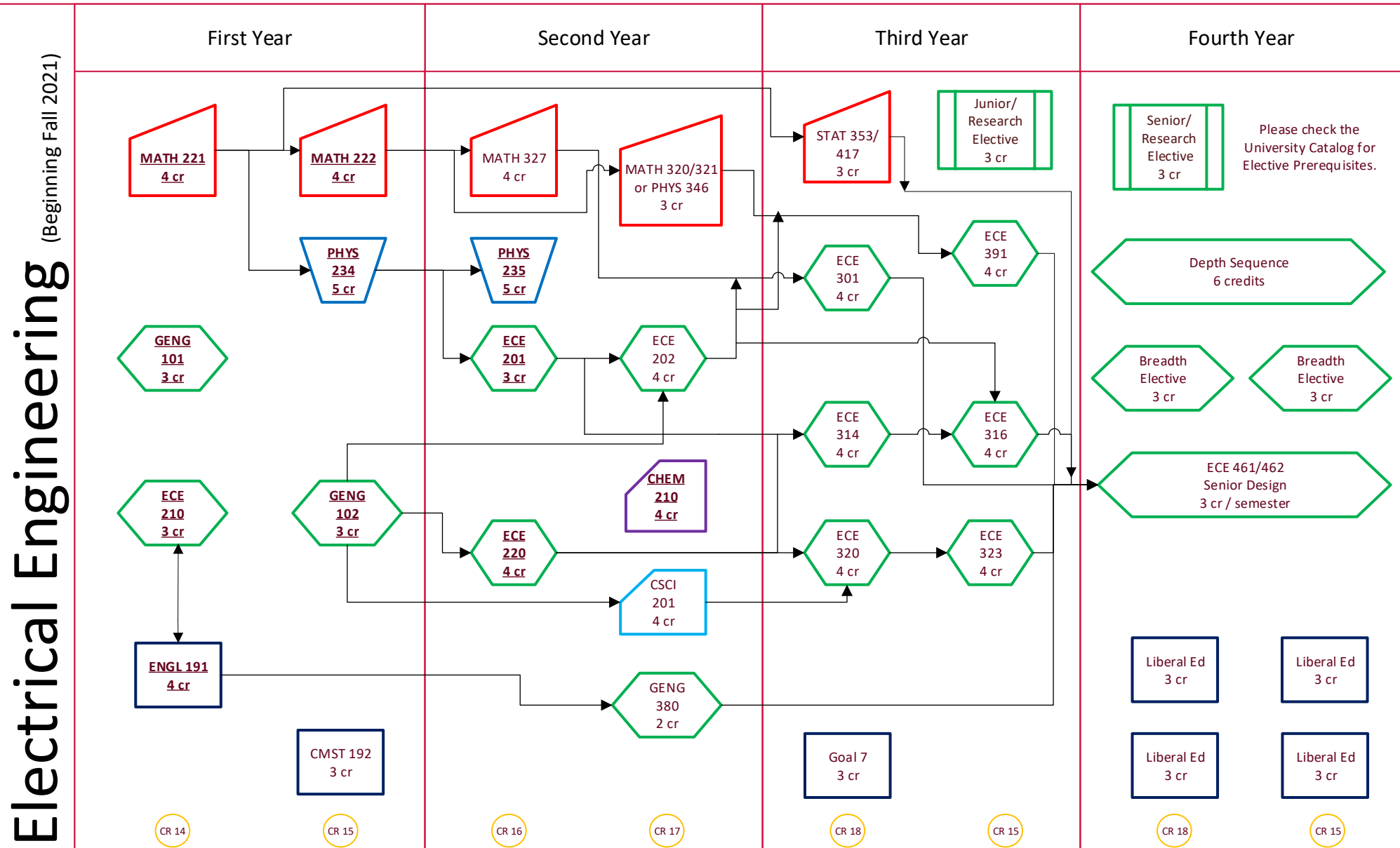


Department of Electrical and Computer Engineering

Suggested Plan of Study Beginning Fall 2021

Contact ECE Office
 (320) 308-3252
 ece@stcloudstate.edu



- Lines and arrows denote prerequisite/corequisite relationships. Please consult the University catalog for prerequisite requirements.
- Bolded and underlined courses denote Block I Electrical Engineering courses. These courses (Block 1) must be completed with a 2.0 or better grade point average in order to progress into the 300 level ECE courses.
- GENG 102, ECE 201, and ECE 220 must be completed with a grade of C or better to progress into the 300 level ECE courses.
- Students must have 2 semesters (32 credits or less) left to complete their degree requirements to start Senior Design (ECE 461/462).
- Please consult your advisor and the University catalog for degree and exact prerequisite requirements.



Prerequisites for MATH 221:

MATH 112 and 113
or
MATH 115
or
65 or better on the Accuplacer College Level Math exam.

To Start GENG 102

Prerequisites
MATH 112
Corequisite of MATH 113
or
Corequisite of MATH 115

Prerequisites for CHEM 210:

CHEM 160
or
MATH 072
or 22 or better on the ACT Math
exam

Please check the
University Catalog for
Elective Prerequisites.

Program Requirements (85-86 credits): GENG 101, GENG 102, ECE 201, ECE 202, ECE 210, ECE 220, ECE 301, ECE 314, ECE 316, ECE 320, ECE 323, GENG 380, ECE 391, ECE 461, ECE 462; CSCI 201; CHEM 210; PHYS 234, PHYS 235; MATH 221, MATH 222, MATH 327, MATH 320 or MATH 321 or PHYS 346.

Electives (21-23 credits): No elective courses can double count.

Junior Elective (3-4 credits): Select one course from any 400 level ECE courses, MME 201, MME 211, MME 224, MME 243; PHYS 328, PHYS 329, PHYS 333, PHYS 334, PHYS 435, PHYS 436, PHYS 445, ECE 390. Some courses are 4 credits.

Statistics Elective (3 credits): STAT 353 or STAT 417.

Depth Sequence (6 credits): Select one sequence from the following:

- 1) Digital: ECE 421 and ECE 422 or ECE 423 or ECE 424.
- 2) Electronics: ECE 411 and ECE 482.
- 3) Power: ECE 411 and 412.
- 4) Systems: Select two courses from ECE 424, ECE 431, ECE 432, ECE 433, ECE 451, ECE 452, ECE 471, ECE 473, or ECE 474.

Breadth Electives (6 credits): Select two courses from ECE 411, ECE 412, ECE 421, ECE 422, ECE 423, ECE 424, ECE 431, ECE 440, ECE 451, ECE 471, or ECE 482.

Senior Elective (3-4 credits): Select from any 400 level ECE courses; PHYS 435, PHYS 436, PHYS 445; ENGR 425, ENGR 447; MATH 411 MATH 421, MATH 423, MATH 427, MATH 452, MATH 455; STAT 447; CSCI 330, CSCI 331, CSCI 421, CSCI 450, MME 352, MME 450. Some courses are 4 credits.