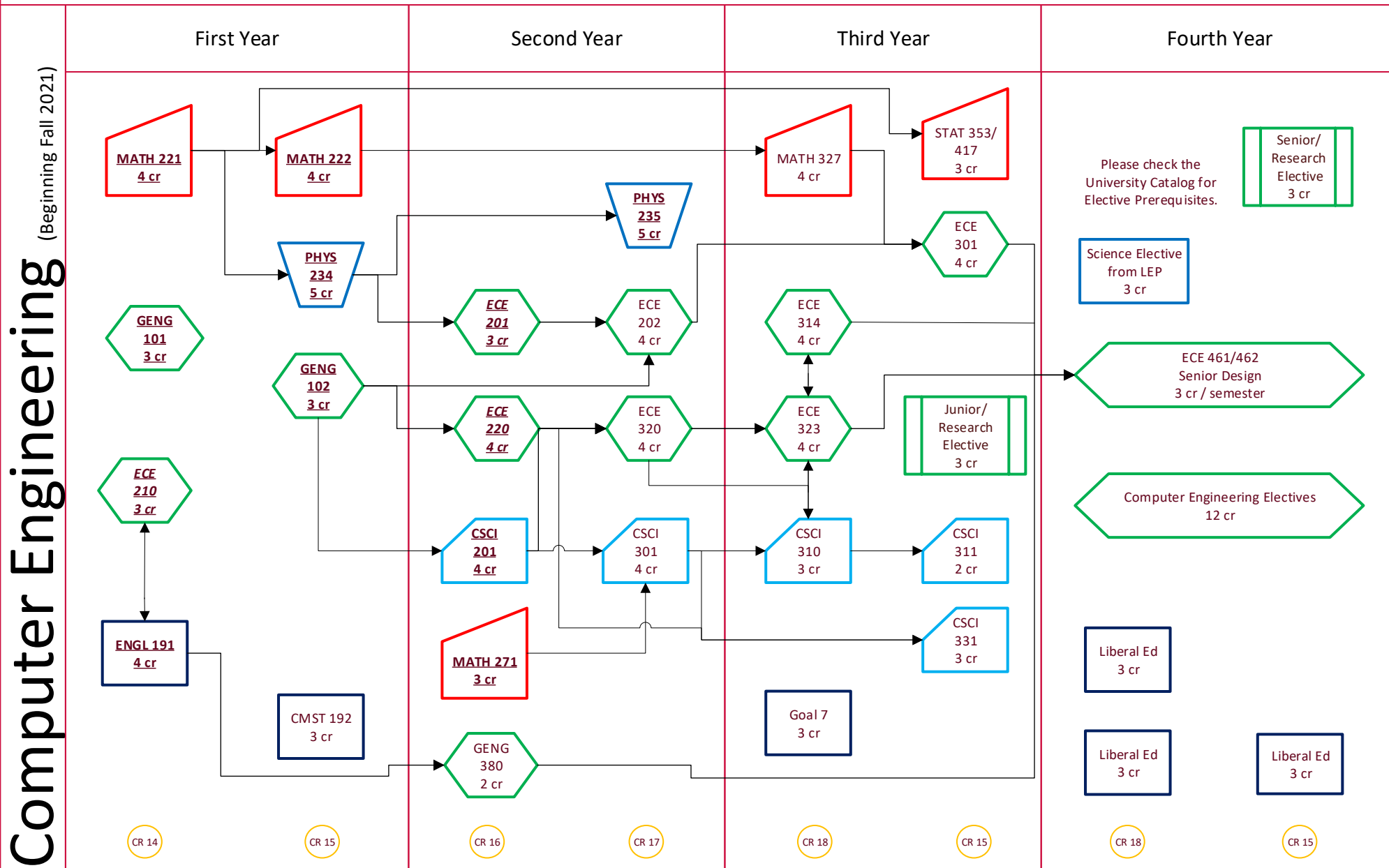


Department of Electrical and Computer Engineering  
Suggested Plan of Study Beginning Fall 2021

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 pre-Computer 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 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 course 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

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 320, ECE 323, GENG 380, ECE 461, ECE 462; CSCI 201, CSCI 301, CSCI 310, CSCI 311 or CSCI 312, CSCI 331; PHYS 234, PHYS 235; MATH 221, MATH 222, MATH 271, MATH 327.

**Electives (21-23 credits):**

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

**Science Elective (3 credits):** Select one course from AHS 106, BIOL 101, BIOL 102, CHEM 105, PHYS 208.

**Junior Elective (3-4 credits):** Select one course from ECE 316, ECE 391, ECE 390, CSCI 330, CSCI 430, MATH 312, MATH 320, MATH 321, MATH 353, MME 420, PHYS 328, PHYS 333, PHYS346, PHYS 346. Some courses are 4 credits.

**Senior Elective (3-4 credits):** Select one course from any 400 level ECE course not included in the student's Computer Engineering Elective sequence, PHYS 435, PHYS 436, PHYS 445; ENGR 425, ENGR 447; MATH 411, MATH 421, MATH 423, MATH 427, MATH 452, MATH 455; MME 450, CNA 433, SE 450, or any 400 level CSCI course not included in the student's computer engineering elective sequence. Some courses are 4 credits.

**Computer Engineering Electives (12 credits):** Select 1 sequence from the following:

- 1) Hardware Systems: ECE 421, ECE 422, and ECE 423 or ECE 424, and 3 credits of 400 level CSCI coursework.
- 2) Software Systems: CSCI 411, CSCI 415, and any 3 credits of CSCI 400 level course, and 1 course from the following: ECE 421, ECE 422, ECE 423, or ECE 424. No elective courses can double count.

No elective courses can double count.