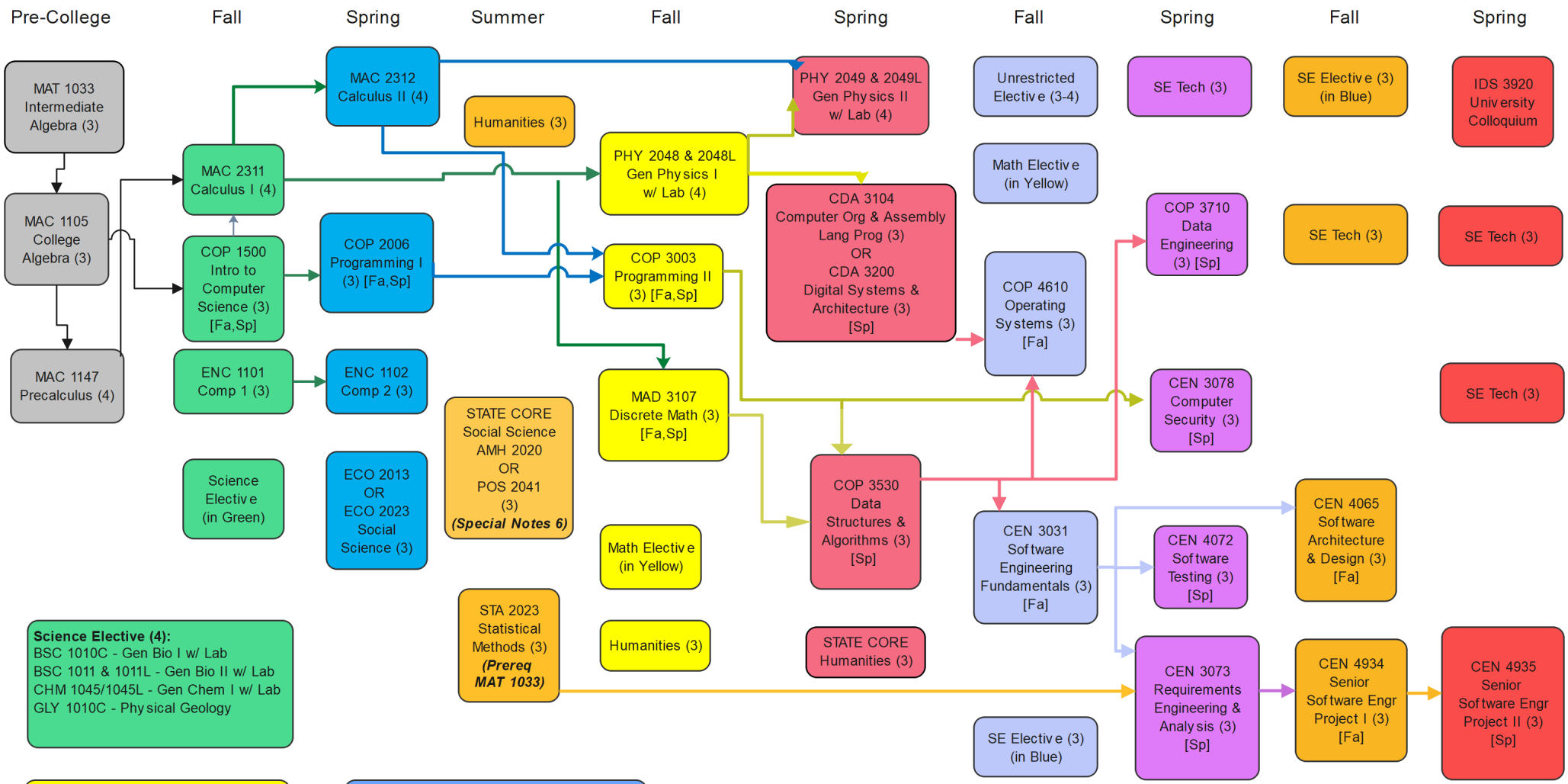
Software Engineering Catalog Year 2021-2022 120 Credit Hours



Science Elective (4):
BSC 1010C - Gen Bio I w/ Lab
BSC 1011 & 1011L - Gen Bio II w/ Lab
CHM 1045/1045L - Gen Chem I w/ Lab
GLY 1010C - Physical Geology

Math Elective:
MAC 2313 - Calculus III (4)
MAP 2302 - Differential Equations (3)
MHF 2191 - Math Foundations (3)
MHF 2310 - Symbolic Logic (3)**
*Need at least 6 math credits
**Not all choices are offered each semester or year

SE Electives
CEN 3941 - Internship in SE
CEN 4083 - Intro to Cloud Computing
CEN 4721 - Human Computer Interaction
COP 3350 - Systems Admin & Programming
COT 3400 - Design & Analysis of Algorithms
*Limited Software electives and TECH classes are offered in each fall and spring.

This flow chart is for planning purposes only. Be sure to check current prerequisites as well as course availability, both of which are subject to change as the curriculum is continuously improved.

Revised 9.8.21

Special Notes:
1 - Please be aware classes may only be offered once a year.
2 - **Fa** = Fall. **Sp** = Spring, **Su** = Summer and no notation means the course may be offered all terms.
3 - Unless otherwise stated, a minimum grade of C is required for all courses.
4 - Students should be sure one of their social science or humanities include 1 course that is desginated with an attribute for CLWS and 2 courses that are designated with an attribute for INKN compentencies. Students should try to take the state core social science AMH 2020 or POS 2041 to satisfy the Civic Literacy requirement. Please be aware that one course may satisfy multiple attributes. Example: AML 2010 = Humanities (GEHM), CLWS, and INKN
5 - Students should be aware of prerequisites for chosen technical electives.
6 - Civic Literacy Requirement satisfied by taking either AMH 2020 or POS 2041 **AND** the Civic Literacy Exam.