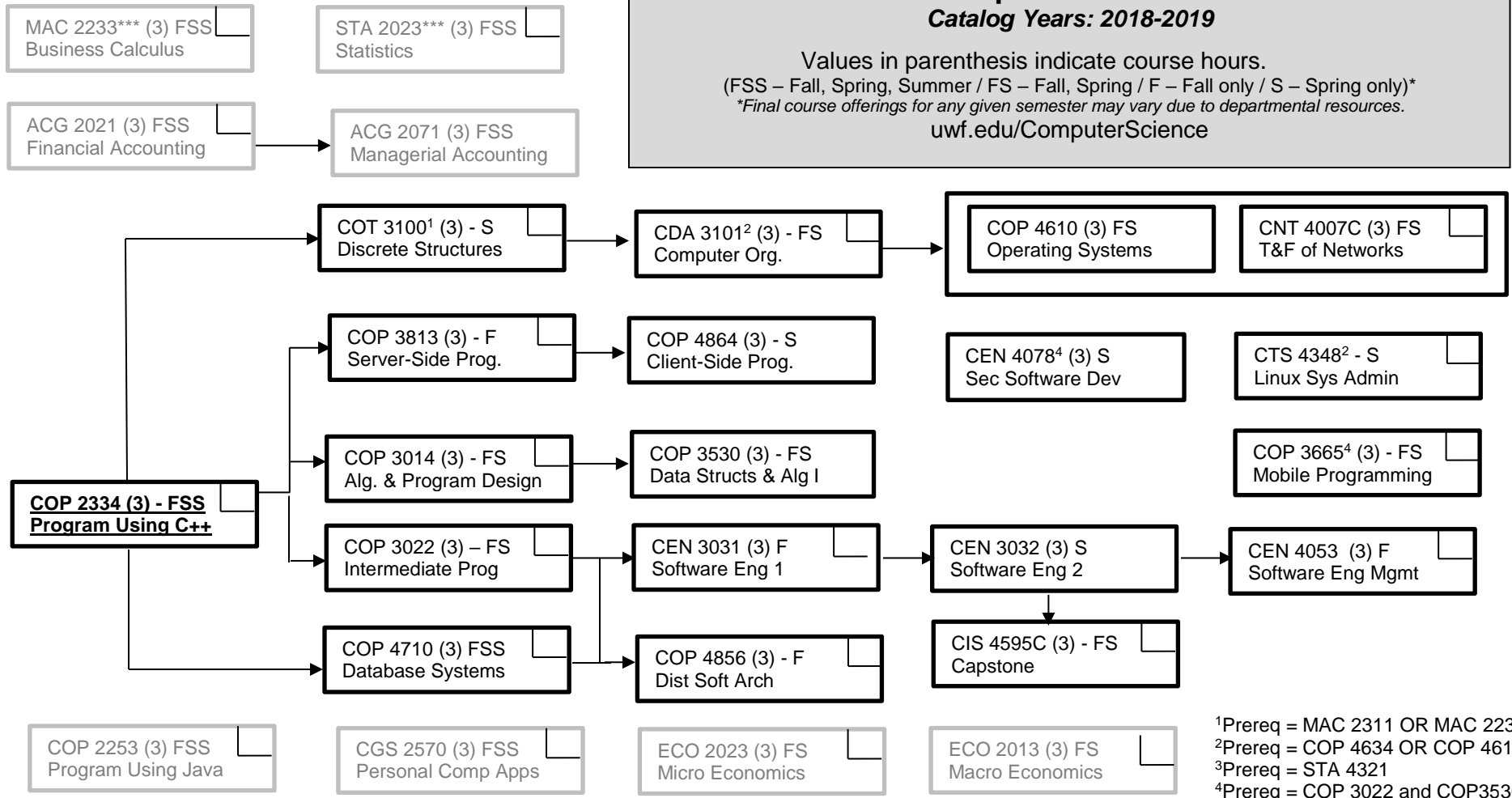


Software Design and Development Curriculum Prerequisite Flowchart

Catalog Years: 2018-2019

Values in parenthesis indicate course hours.
 (FSS – Fall, Spring, Summer / FS – Fall, Spring / F – Fall only / S – Spring only)*
 *Final course offerings for any given semester may vary due to departmental resources.

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- ¹Prereq = MAC 2311 OR MAC 2233
- ²Prereq = COP 4634 OR COP 4610
- ³Prereq = STA 4321
- ⁴Prereq = COP 3022 and COP3530

In addition to the degree requirements outlined above, students seeking the BS Computer Science/Computer Information Systems degree must also take 6 semester hours of 3000/4000 level electives within the Department of Computer Science. These electives may be chosen from the courses listed here or any other advisor-approved Computer Science elective. **Courses are grouped to show focus, students do not have to take both from a group.**

Cybersecurity

- CNT 4403 (3)
Com & Net Security
- CIS 4385 (3) F
Ethical Hacking

Information Systems

- CIS 4368 (3) - F
Database Security
- CAP 4770 (3) FS
Data Mining

Advanced Programming

- COP 4027 (3)
Advanced Prog
- COP 4534 (3)
Data Struc & Alg II

Intelligent Systems

- CAP 4601 (3)
Artificial Intelligence
- CAP 4786³
Big Data Analytics

- Special Topics