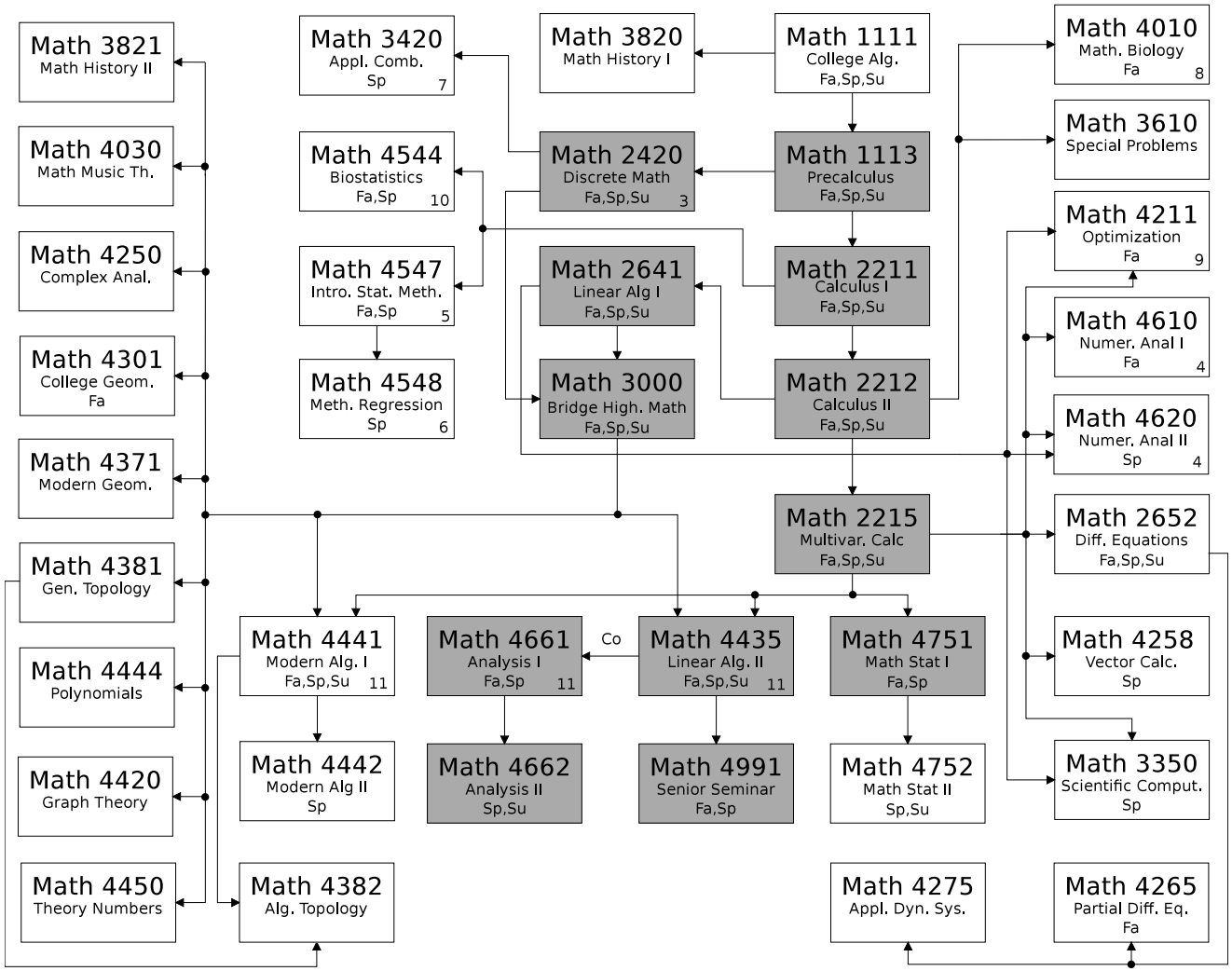
Mathematics and Statistics Course Chart
(BS with Concentration in Computer Science)

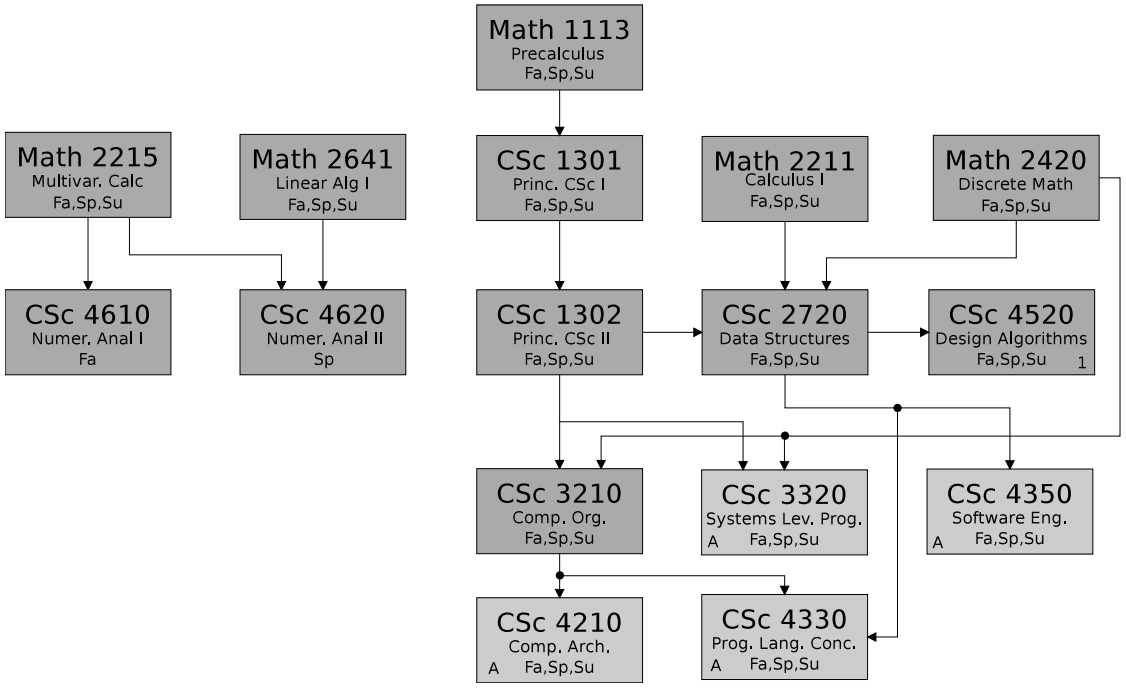


1. Prerequisites always require a grade of C or higher.
2. Corequisites are marked with "Co."
3. Courses that have Math 1113 as a prerequisite can also use Math 2211 as a prerequisite.
4. Math 4610 and 4620 also require the ability to program in a high level language. Math 3030 can satisfy the prerequisite of Math 4620.
5. For Math 4547, Math 1220 can replace Math 2211 as the prerequisite.
6. For Math 4548, Math 4752 can replace Math 4547 as the prerequisite.
7. For Math 3420, Math 2212 can serve as the prerequisite instead of Math 2420.
8. For Math 4010, Math 1220 can serve as the prerequisite instead of Math 2212.
9. For Math 4211, Math 3030 can serve as the prerequisite instead of Math 2215 and Math 2641.
10. Math 4544 also requires Biol 1104K, 1108K, or 2108K with a grade of C or higher.
11. Math 2215, Math 2641, and Math 3000 are all prerequisites of Math 4435, 4441, and 4661. These are not all shown on the chart when they are enforced implicitly by another prerequisite or corequisite.

Notes on Degree Requirements:

- Shaded courses are required for the Math BS with concentration in Computer Science. One additional upper level math course is also required.
- Courses that cannot count toward a math major are excluded from the chart. Note that the upper level courses Math 3030, 3050, 3070, and 3090 are specifically excluded from the major and minor. At most one of Math 4544 or 4547 can count toward a math major or minor.
- The courses in the calculus sequence, Math 2420, Math 2641, and Math 3000 should be as taken soon as prerequisites are satisfied in order to avoid a delay in starting upper level courses that might result in a delay in graduation. Pay attention to course sequencing and scheduling when planning for graduation.

Required Computer Science Courses, with Prerequisites



1. CSc 4520 also has Math 3030 as an official prerequisite. However, Math 3030 does not count for a math major and should not be taken. Instead, students should request a prerequisite waiver from the Department of Computer Science after completing Math 2215, Math 2641, and Math 4751.

Notes on Degree Requirements:

- Computer science courses that are required for the Math BS with concentration in Computer Science are shaded. In addition to the strictly required courses CSc 2720, CSc 3210, CSc 4520, CSc 4610, and CSc 4620, majors must take two additional upper level CSc courses with one of those courses coming from group A.
- CSc 4610 and CSc 4620 are equivalent to Math 4610 and Math 4620. It is acceptable to take these crosslisted courses as math courses.